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Vaughan's

GARDENING ILLUSTRATED

10 W. RANDOLPH ST., CHICAGO 1.
47 BARCLAY STREET, NEW YORK 7.
69TH YEAR • 1945

TOKEN MINUET PICARDY MAID OF ORLEANS BEA

Vaughan's Rainbow Garden of Gladiol

Fifty flowering size bulbs, ten each of the five outstanding varieties illustrated on this page. Each variety separately bagged and labeled. Prepaid 600 miles for . . . $2.

Half Portion, 25 bulbs, 5 each of same 5 varieties, prepaid 600 miles for $1.00.

TO offer our Rainbow Garden of Gladioli, and maintain its traditional leadership as the best gladiolus value available to American home gardeners, has been difficult, indeed, this year.

Yet in view of war conditions, which have doubled costs and reduced production of all plants and bulbs, while at the same time demand is breaking records, we feel that the collection presented on this page represents a greater value than we have ever offered before.

Such bulbs as were produced for commerce last summer were grown under enormous handicaps, since land, labor and supplies of all kinds were concentrated by strict priority regulations upon food production.

But as Victory was brought nearer by their all-out efforts, the people of the allied nations began to turn to flowers, as a relief from the strains and tragedies of war. This great swing became evident last spring, was intensified in the fall, and no doubt will continue in greater force.

The scarcity of seeds, bulbs and plants of all ornamentals in the face of unprecedented demand has caused a flood of substandard material to be offered, but not by us. We maintain the quality upon which our customers have depended for sixty-nine years. Though sharply increased prices in some cases are necessary to permit this, it will be found that lower prices obtained by the sacrifice of quality will be more costly in the end.

Bulbs used in our Rainbow Garden of Gladiolus, this year as in the past, are not first size, but they are of flowering size, and the kind we use in growing exhibition flowers. They take a little longer to bloom than larger bulbs may, but th and quality of the flowers and the crop of bulbs pro for next year's planting, are equal to the products largest bulbs.

This year we offer 50 bulbs, 10 each of the foll 5 varieties, prepaid to 600 miles of Chicago, Ill.

Beacon. Tall, giant flowered salmon-scarlet, one largest of all. As the illustration shows its magn spikes will show ten florets fully open befo bottom floret fades, giving a stunning plu color.

Maid of Orleans. This milky white variety, with throat, was bred by Pfitzer, and has the enormous which characterize his creations. It is one of th of the new whites.

Minuet. Giant flower of true orchid coloring, wh held first rank in its color c years and is still unsurpassed spike has florets perfectly and it is always a vigorous

Picardy. No collection wo complete without Picardy, v still undisputed champion Supreme in its delicate colo apricot pink, it is also a g size, and a model in form perfectly placed florets, of ten open before the first fa

Token. The large florets are liant peach red, which bl the throat with cream yello ing a color combination mo tive in artificial light. Peta heavy texture, and the flo well placed on the sturdy s

Lilium Candidum

MADONNA, LILY

Since this lily must become established in the fall in order to bloom the following spring, it should be planted in midsummer. We offer bulbs for shipment next July or August.

Ctm.	Each	Dozen
18-20	$0.35	$3.50
20-22	.55	5.50
22-24	.65	6.50
24-26	.80	8.00

SUB-ZERO ROSES

3 for $4.50

lue $4.95) Everblooming Hybrid Tea Rose Collection 1B

new race bred from Northern native spe- that have beautiful flowers and that bloom ly and constantly all summer. They are y to grow, have great vigor and live for ny years, even in sub-zero winters.

NK PRINCESS (Pat. 459). Red buds open large double, high centered, fragrant owers of deep rose-pink with copper shad- ngs. Famous as the first Hybrid Tea rose, ee from premature defoliation. $1.65; for $4.50.

ADES OF AUTUMN (Pat. 542). Brilliant ew bicolor with orange-copper and car- ine shadings. Beautiful, fragrant flowers roduced continuously all season. Attrac- ve, disease resistant foliage. $1.65; 3 for 4.50.

OR VICTORY (Pat. 543). One of the nest roses in existence. The color is a real ellow, with fragrant, unfading flowers de- eloping from fine buds. The flowers are metimes 5 inches in diameter, on long stiff ems and are excellent for cutting. $1.75; for $4.75.

LL AMERICA WINNERS

3 for $4.90

ue $5.30) All America Rose Selections. Everblooming Hybrid Tea Rose Collection 1C

ese are Roses selected by the Rose Coun- fter two-year tests in 15 Official All rica Rose Selection test gardens. Only e that gives good results in all parts of ountry can pass their rigid tests.

ND DUCHESS CHARLOTTE (AARS 43). (Patent Applied For). Truly an aristo- t providing a shade of red never before n in the rose world. The long streamlined ds of magnificent Morocco-red open to n-petaled blooms of dusky coral-red ich do not fade but gradually merge to vely coral-pink. $1.65; 3 for $4.50.

RT'S DESIRE (AARS 1942). (Patent .). Here is a rose that has everything. or, a pure even shade of luminous red ch does not blue or burn, even in the test weather. A small vase of flowers will fume a whole room. It has rich foliage produces quantities of flowers on long ing stems all season. It has vigor, being rong grower like Radiance and Crimson ry, its parents. $1.65; 3 for $4.50.

. CHIANG KAI-SHEK. "The First y of China." (AARS 1944). (Pat Applied . "The honor rose for 1944." It has , pointed buds of light yellow which full to beautifully formed, creamy yel- long stemmed flowers over dark green, ase resistant foliage. $2.00; 3 for $5.00.

Everblooming Hybrid Tea Roses

6 FOR $6.50

CHRISTOPHER STONE

ALL these Roses will bloom in your garden this summer, if planted according to simple directions furnished with the plants. Before winter comes they should have borne for you hundreds of lovely blossoms, beginning in June and continuing without interruption until killing frosts. Our plants are finest two year budded plants that are produced. The varieties are of the newest type, some of the very latest to make their debuts. Plant dormant Rose bushes as soon as the soil thaws and dries out enough to be prepared properly. As soon as dormant Roses are properly pruned and planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove the soil gradually as the plants begin to grow.

One Each of These Six Varieties

Value $7.90 for $6.50, by Express (Collection 1A)

CHRISTOPHER STONE. Classed with Etoile de Hollande and Crimson Glory as one of the three finest red roses in existence. All season the fine plants produce quantities of brilliant, glowing, velvety scarlet blooms of good form and delicious old rose fragrance. Rated by the rose experts as being one of the 10 best roses introduced in the last 10 years. $1.35; 3 for $3.85.

McGREDY'S IVORY. "The perfect white rose." Its long pointed, perfectly-shaped, ivory-white buds open into magnificent blooms of breath-taking loveliness. $1.35; 3 for $3.85.

McGREDY'S YELLOW. Beautifully formed buds of pure, light buttercup yellow; open flowers cup-shaped with a mass of golden anthers glorifying the center. $1.25; 3 for $3.60.

POINSETTIA. One of the most dazzling red roses we have ever seen. The buds are ideal in form, long and pointed, and open into large, beautiful poinsettia-scarlet blooms. Poinsettia just lacked 2 votes of being rated by the rose experts as one of the 10 best roses introduced in the last 10 years. $1.35; 3 for $3.85.

TALISMAN. A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The rose of many Gold Medals and one of the most popular of all roses for cutting. $1.25; 3 for $3.60.

THE DOCTOR. An outstanding pink rose. The buds are long and pointed and expand to enormous blooms of beautiful, glowing rosy pink. Intensely fragrant; excellent for cutting. Rated by rose experts as being one of the 10 best roses introduced in the last 10 years. $1.35; 3 for $3.85.

When varieties listed are sold out, we reserve the right to substitute with equal value. See Pages 88-89 for Complete List of Roses.

All Roses are shipped via express from Western Springs, Ill., or may be shipped via parcel post if postage is sent. Allow 1 lb. for each plant. See order blank for postage rates. (No Roses are shipped c.o.d.).

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Keep Your Lawn BEAUTIFUL

Vaughan's CHICAGO PARKS LAWN SEED

½ Lb.	$ 0.40	10 Lbs.	$ 6.50
1 Lb.	.70	15 Lbs.	9.65
2 Lbs.	1.40	20 Lbs.	12.75
3 Lbs.	2.05	25 Lbs.	15.75
5 Lbs.	3.35	100 Lbs.	59.00

Prepaid in U. S. A.

First step toward correcting neglect due to war should begin with the lawn. If yours has suffered during the busy years just passed, repair it this spring. Without reseeding, feeding and good care a lawn quickly suffers; and the longer it goes without proper attention, the more difficult it is to repair.

Well advised lawn makers will avoid sowing the cheap mixtures which flood the market adulterated with quick show grasses such as timothy, a hay seed whose coarse stems ruin the lawn. Buy only seed on the quality of which you can depend.

The basis of VAUGHAN'S "CHICAGO PARKS" lawn seed is a large amount of the finest Kentucky blue grass, which is combined with other suitable grasses in the proper proportions to produce a fine permanent turf. Needless to say, it does not contain timothy, which is a hay grass and does not belong in a lawn; none of Vaughan's formulas include this unsuitable grass.

Price, ½ lb., 40c; 1 lb., 70c; 2 lbs., $1.40; 3 lbs., $2.05; 5 lbs., $3.35; 10 lbs., $6.50; 15 lbs., $9.65; 20 lbs., $12.75; 25 lbs., $15.75; 100 lbs., $59.00.

We offer this mixture without clover under the name "Vaughan's Fairway Formula"—Prices same as "Chicago Parks."

Vaughan's Special Purpose Mixtures

We recommend our lawn mixtures, composed of suitable varieties of grass seed, because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge. **A copy of this booklet is enclosed in every carton and bag of Vaughan's lawn seed mixtures.**

For Your Protection—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination, identity and freedom from weeds.

Vaughan's "Columbian"

Formula for Shady Lawns or Sandy Soil

In making a lawn on sandy soil or in partial shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, ½ lb., 45c; 1 lb., 75c; 2 lbs., $1.50; 3 lbs., $2.20; 5 lbs., $3.60; 10 lbs., $7.00; 15 lbs., $10.40; 20 lbs., $13.75; 25 lbs., $17.00; 100 lbs., $64.00.

Vaughan's Dense Shade Formula

(Containing Creeping Red Fescue)

An exceptional formula which is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Follow instructions in our lawn booklet for growing grass in the shade. Does not contain clover.

Price, ½ lb., 50c; 1 lb., 85c; 2 lbs., $1.70; 3 lbs., $2.50; 5 lbs., $4.10; 10 lbs., $8.00; 15 lbs., $11.90; 20 lbs., $15.75; 25 lbs., $19.50; 100 lbs., $74.00.

Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.

VAUGHAN'S No. 25 LAWN FORMULA

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., 50c; 2 lbs., $1.00; 3 lbs., $1.45; 5 lbs., $2.35; 10 lbs., $4.50; 15 lbs., $6.60; 20 lbs., $8.75; 25 lbs., $10.75; 100 lbs., $39.00.

Vaughan's "Private Estate" Bent Formula

FOR LAWNS "DE LUXE"

This formula contains over 98% pure seed and is free of all noxious weeds. In addition to Kentucky Blue Grass of the highest quality, to insure a durable and resistant foundation for your lawn, it includes an important proportion of Certified Bent. It produces a heavy turf of very fine texture.

This mixture is equal or better in purity to the highest priced mixtures on the market and most important, contains more bent seed. It is the best value on the market.

Price, 1 lb., 80c; 2 lbs., $1.60; 3 lbs., $2.35; 5 lbs., $3.85; 10 lbs., $7.50; 15 lbs., $11.15; 20 lbs., $14.75; 25 lbs., $18.25; 100 lbs., $69.00.

Bent Lawns from Certified Seed

Ask for Our Bent Leaflet

Bent grasses are increasingly popular for lawns, especially in cities where lawns are small in area and extra care is not burdensome.

Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

ASTORIA BENT. Astoria Bent is identified by its numerous rootstocks which spread underground and throw up new shoots, making a very thick turf, and by the presence of runners above ground in the early stages of development. This Bent has a good color and is excellent as both a lawn and putting green grass. It does not require as much cutting as Creeping Bent. We highly recommend this type.

SEASIDE BENT. This is a true unmixed Creeping Bent grass seed which spreads by surface runners instead of by the underground root stalks which characterize the Astoria Bent.

Our Bent Leaflet Is Included in Each Bag

ASTORIA BENT GRASS. Price, ¼ lb., 45c; ½ lb., 80c; 1 lb., $1.45; 2 lbs., $2.90; 3 lbs., $4.30; 5 lbs., $7.00; 10 lbs., $13.75; 15 lbs., $20.25; 25 lbs., $32.50.

SEASIDE CREEPING BENT GRASS. Price, ¼ lb., 40c; ½ lb., 75c; 1 lb., $1.35; 2 lbs., $2.70; 3 lbs., $4.00; 5 lbs., $6.50; 10 lbs., $12.75; 15 lbs., $18.75; 20 lbs., $24.50; 25 lbs., $30.00.

SEE PAGE 102 FOR PRICES ON OTHER GRASSES AND FIELD SEEDS

TEN Prize Winning Giants for $4.40

Value, $5.50 Prepaid 300 Miles

AVALON. (F.D.) Clear yellow. Each 50c.

GALLANT FOX. (F.D.) A brilliant red. Each 50c.

JANE COWL. (I.D.) Buff and old gold with salmon center. Each 50c.

JERSEY'S BEAUTY. (F.D.) Perfect formed true pink. Each 50c.

JERSEY'S BEACON. (I.D.) Chinese scarlet. Each 50c.

MRS. GEORGE LE BOUTILLIER. (I.D.) Velvety crimson. Each 75c.

MRS IDE VER WARNER. (F.D.) Mauve pink. Each 50c.

ROSE GLORY. (F.D.) Deep rose pink. Each 50c.

SULTAN OF HILLCREST. (F.D.) Lemon yellow, reverse of rosy pink. Each 75c.

WHITE KING. (F.D.) Large pure white. Each 50c.

Six of the Best and Newest

$16.25 Value for $13.00

(Prepaid 300 Miles.)

ALL AMERICAN. (S.C.) Mulberry rose suffused salmon with wax yellow at base of petals. Plants are medium in height, very vigorous and insect resistant. Blooms are held on strong straight stems. On the show tables it is almost in a class by itself. Each $2.00.

COL. A. G. RUDD. (I.D.) Rich carmine with deeper mahogany red at center. It can be grown eleven to twelve inches in diameter by seven inches in depth. Strong grower with heavy stems. A real factor in the red class. Each $3.00.

MONARCH. (F.D.) Ox-blood red that holds its color well in hot weather. Strong grower with heavy foliage. Large blooms on strong straight stems. An outstanding 1943 introduction. Each $2.50.

RHYTHM. (Inc.C.) Cameo or shrimp pink with suffusions of soft rose with lemon shadings at the base of the petals and center of the flower. One of the best 1943 Dahlias. Each $4.50.

THE REAL GLORY. (F.D.) A pure waxy white of large size notable for its exceptional substance and good keeping qualities. The flowers are well formed and are carried on strong stems. A strong grower with heavy foliage. We consider it the best and largest white. Each $2.25.

TOPS. (I.D.) Clear yellow of even tone. An outstanding yellow. The massive blooms are carried on strong stems. A strong grower with good foliage. Has won many awards as the largest bloom in the show. Each $2.00.

YOU CAN GROW GIANT Dahlias

8 Champion Varieties of Rainbow Colors $7.00

One Each of These Eight Varieties, Value $9.00. (Prepaid 300 Miles), For $7.00

GIANT dahlias are ideal flowers to grow in Victory Gardens. A row of these huge blossoms with their gay colors will decorate your vegetable plot and add to the enjoyment of your daily garden hour.

New varieties in this year's collections bring them up-to-date. All these varieties have stood the test and won places as proven champions. Besides giant size and fine coloring, they have the qualities of vigorous growth and free flowering. There will be no difficulty about growing them if you follow the simple directions which we furnish with each order.

CHEROKEE BRAVE. (I.D.) Ox-blood red that holds its color in the sun. Long stiff stems. Good grower. Each $1.00.

EVENTIDE. (I.D.) True purplish shadings. Unusual production of large blooms. Excellent stems and vigorous habit of growth. Each $1.50.

HUNT'S VELVET WONDER. (I.D.) Rich violet purple. The huge blooms can be grown to immense size. Each 75c.

MRS. JAMES ALBIN. (F.D.) A soft pleasing yellow with fine formal blooms carried on straight stiff stems. Good grower and free branching. Each $1.00.

MONARCH OF THE EAST. (F.D.) Golden yellow bronze with a coral red reverse. It is a big bold bloom, a real giant in the Dahlia world. Each $1.00.

PREMIER WINSOME. (I.D.) A beautiful mallow pink with lighter shadings, giving an abundance of large blooms on strong stems. Each $1.25.

SON OF SATAN. (S.C.) Bright scarlet blooms on excellent stems. One of the largest and brightest of its type. A winner in any show. Each $1.00.

VICTORY. (F.D.) Rose-pink with a golden suffusion. Excellent keeping qualities. Fine stems and insect proof foliage. Bush is vigorous and free branching. Winner of many Blue Ribbons at leading shows. Each $1.50.

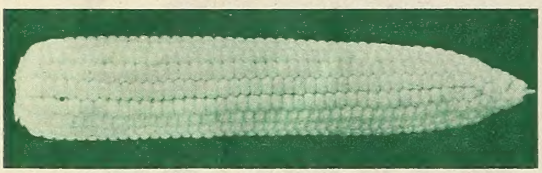
Newer Vegetables

Hybrid Sweet Corn Team

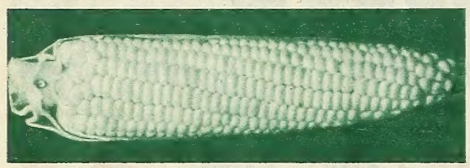
Plant the four varieties illustrated below at the same time to produce an all season harvest of highest yield and quality. 2 oz., of each variety in separate packets, totaling ½ pound, ... 45c

After testing all new varieties of hybrid sweet corn in our 1944 vegetable trials, we found none to equal the four varieties listed below in even maturity, yield and flavor.

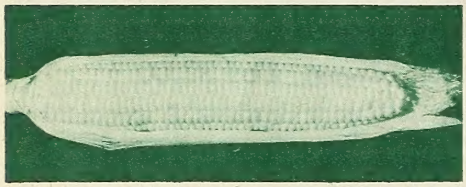
To produce an all season and heavy yielding harvest of the highest quality, we recommend that these four varieties which vary in season from 68 to 83 days, be planted at the same time. Later varieties will give a longer harvest and heavier yield than the earlier, and the four together will provide sweet corn all summer.



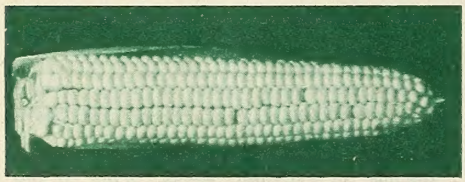
Hybrid Sweet Corn Lee. 73 days. A second early, bearing larger ears with deeper kernels, this variety is high in quality and completely resistant. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., $1.20.



Hybrid Sweet Corn Our Choice. 68 days. One of the earliest hybrids, it is the sweetest we know, bearing 12-row ears for a heavy yield. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., $1.20.



Hybrid Sweet Corn Golden Cross. 79 days. It has the quality of Golden Bantam and yields larger ears more abundantly; completely resistant. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., $1.20.



Hybrid Sweet Corn Ioana. 83 days. It endures mid-summer and drouth, while maturing heavy crop of 12-14 row ears, 7½ to 8 inches long. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., $1.20.

Defies Heat and Leaf-hoppers

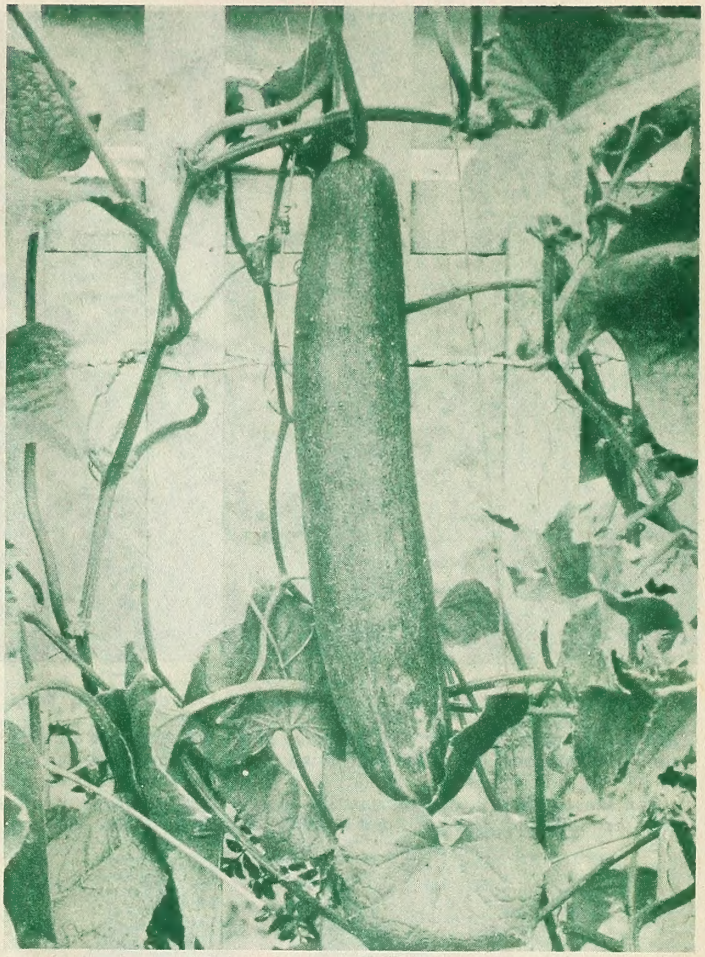
Green Pod Bush Bean Logan. 48 days. In a bad season for leaf-hoppers in our test garden last year this early variety kept its exceptionally dark green color when most others turned pale; and matured a heavy crop of 6½-inch round pod beans equal in quality to Tendergreen. Each crop matures quickly—over 10 days—but other crops follow when the vines are kept picked clean. The home gardener should make succession plantings and eat or can them in their early stages, when tops in quality. Bred by the Florida Experiment station, it stands the hottest weather. Pkt., 25c; ½ lb., 30c; lb., 50c; 2 lbs., 95c.

Uncle Sam Helped Breed This

Bush Lima Bean, Fordhook 242. 75 days. All America Bronze Medal, 1945. State and national experiment stations cooperated in developing this variety of the popular large seeded bush lima bean. It has pods as large and beans as numerous as the original Fordhook, and the plants grow as tall, but spread more. A distinct improvement is the ability to set basal pods in hot, dry weather, and to thrive in temperatures as high as 102 degrees. Early and total yields are heavier than the original. Pkt., 25c; ½ lb., 40c; lb., 75c; 2 lbs., $1.40.

Here's Table Quality in Cabbage

Cabbage Savoy Chieftain. (Virsing). 88 days. You seldom see it in the markets, but friends who know European cooking will tell you how delicious Savoy cabbage tastes, stuffed with sausage, or cooked in many other favorite ways. "Savoy" means crinkled leaves, and in this variety they are a rich green, which indicates high vitamin content. The flavor is more delicate than white cabbage, and the head not so tight and hard; so it does not keep as well. It is one of the quality vegetables, in short, which only the home gardener can enjoy at its best. Pkt., 20c; ½ oz., 45c; oz., 80c; ¼ lb., $2.40.



An Airminded, Quality Cucumber

Cucumber Mandarin. 45 days. In amazing speed of growth, slender length and quality, this cucumber has no rival for the home garden. Even the smallest vegetable plot can produce it in abundance without sacrificing ground space, by letting the vines climb a trellis or fence. It bears for a long season; two plantings, twenty days apart, will furnish the table with salad cucumbers all summer. Even the 12-inch long fruits need no special support when the vines climb. Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.00.

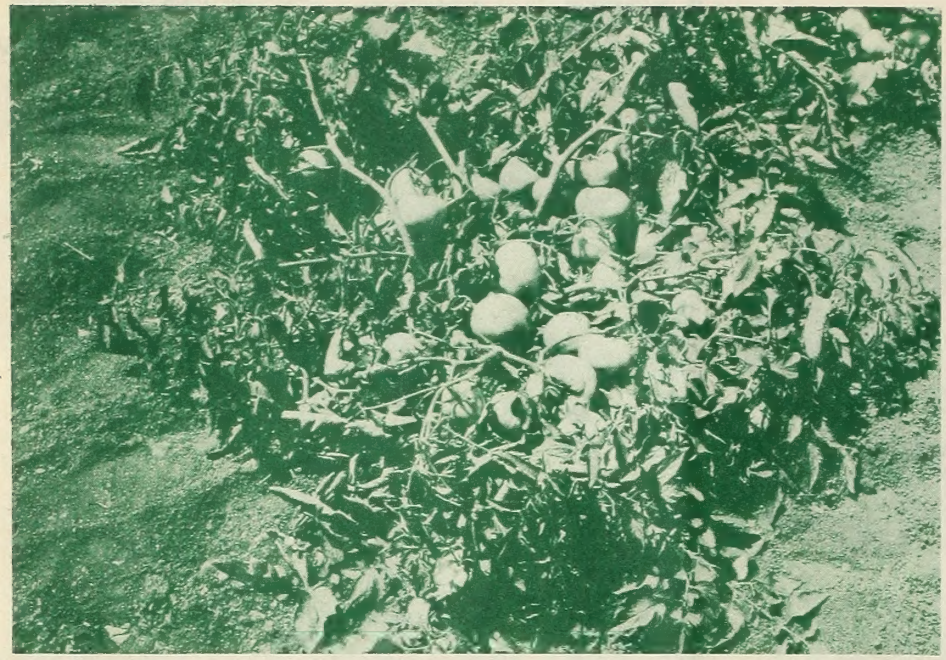
Bigger Than Bibb and Almost as Good

Lettuce Crisp as Ice. 76 days. The crinkly, dark green leaves of this loose-heading lettuce, bronzy-brown at their tips, are second in brittle tenderness only to Bibb; and this stands hot weather well, where Bibb bolts to seed. Moreover, the heads of Crisp as Ice are several times as large as Bibb. As a companion variety for the connoisseur to grow for a longer season, or larger yield, we strongly recommend it. Its rich green color indicates high value in Vitamin A. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25.

Verdict for Bibb is Unanimous

Lettuce Bibb (Limestone). 57 days. There seems to be unanimous agreement that the tenderest, most brittle of all lettuce leaves are found in the loose, dark green heads of this variety which chefs of luxury hotels and high priced food shops all over the country have begun to feature. In the garden it grows fast in the spring and fall, maturing its loose heads, as big as a fist, from seed sown in the open ground, with reasonable thinning. In hot weather it runs quickly to seed, so start it early and sow a fall crop in midsummer. Romantic stories are told of its origin, by Maj. John Bibb of Kentucky, born in 1789. Pkt., 20c; ½ oz., 30c; oz., 45c.

BIBB LETTUCE, CROSS SECTION

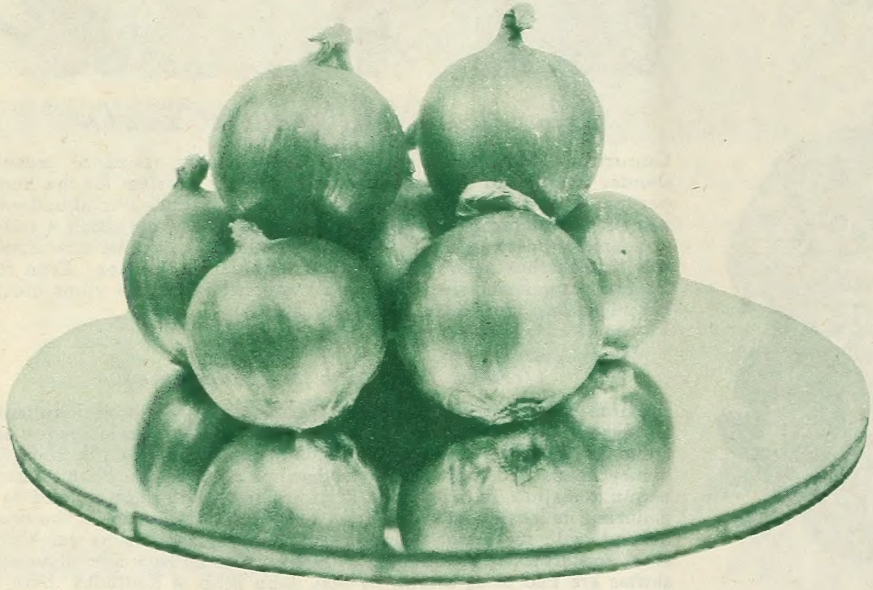


Best of Small-Vine Tomatoes

Tomato Bounty. 60 days. Having tested for several years all varieties of the new type small vine early tomatoes, we have found this variety not only to be earliest, but also its yield highest and its fruit on the average the largest of this group. Its heavy crop is matured quickly over a shorter season than the large vine types, so it should be grown with a late variety. It should not be pruned, and preferably not staked. Pkt., 20c; ½ oz., 50c; oz., 90c; ¼ lb., $3.00.

New Type of Squash

Squash Butternut. 100 days. All the seed of this squash is contained in a small cavity at the lower end; so that ninety percent of its heavy fruit (12 inches long) is exceedingly sweet, firm, orange flesh. Pkt., 35c.

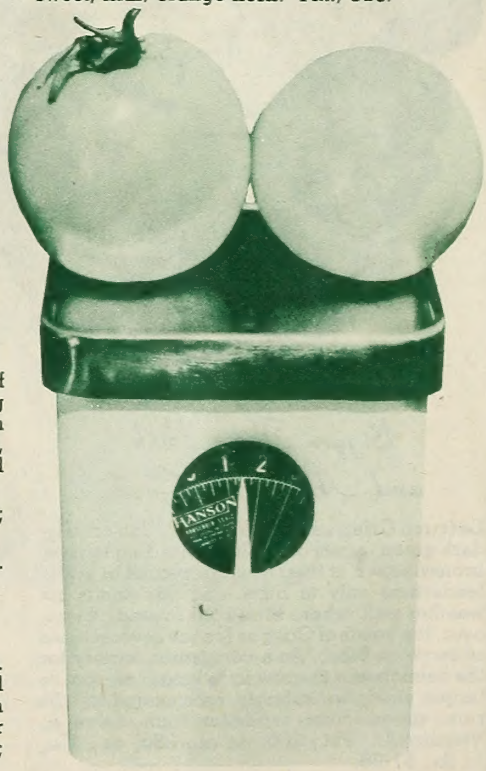


It Pays to Know Your Onions

To produce them for winter keeping, you may select a strain bred for your particular kind of soil. The illustration shows Southport Yellow Globe of the ball type, bred especially for growing on muck soils. If yours is an upland garden, well drained, grow the taller globe shaped Golden Globe from sets. Spanish onions, can be grown from our Valencia Utah Sweet Spanish seed, which comes in two strains, white and yellow. When started in a cold frame and transplanted at pencil size, they will produce onions weighing two pounds.

Southport Yellow Globe. 110 days. Ball type, for muck soil. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., $2.50.

Valencia Utah Sweet Spanish. 110 days. Either white or yellow (specify strain desired). Pkt., 20c; ½ oz., 60c; oz., $1.00; ¼ lb., $3.00.



It Takes the Blue Ribbons

Tomato Jubilee. 72 days. This has quickly won undisputed leadership on the show tables. The illustration shows average mature fruits, deep orange inside and out with solid flesh and so few seeds as to make seed production a problem. It is an excellent salad variety, with mild, non-acid flavor, but not flat, and it can be canned with success, but some will consider its juice insipid. Its vines grow vigorously and can be staked and pruned. Pkt., 25c; ½ oz., 65c; oz., $1.00.

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- To store purchases for any goods.
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The extra seeds must be listed in original order; no allowance can be made subsequently for failure to include them.

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Friendly Gift to Our Customers

ost of our orders come from those ho have purchased our seeds and ke them. We hope you will be one f these. As a token of appreciation, we will send with a mail order of $2 and over received on this order blank, a special packet containing seed of a new flower or of an older one which we think you should know and know you will like.

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New Flowers and Specialties

887 **ASTER** Giant California Sunshine Mixed. Pkt., **25c.**

214 **AGERATUM** Fairy Pink. Pkt., **25c.**

Pink Ageratum □

Culture: A, B, D or E, Page 58

214 Fairy Pink. A compact dwarf of delightful soft salmon rose pink. It begins to flower when not more than 1½ to 2 inches high and grows to 5 inches, forming a compact mass of blooms. Pkt. 25c.

Sunshine Asters □

887 Aster Giant California Sunshine Mixed. Though not new, many consider this the most beautiful of all asters. The flowers 4 to 5 in. across, are composed of a single row of loosely placed outer petals which contrast with the unique yellow quill-like center discs. Stems long and heavy on plants 2 to 3 ft. in height. Blooms early to mid-September. ⅛ oz., 50c; pkt., 25c.

949 Aster Rainbow Mixture. 24 inches. A new strain of single asters producing large flowers of all the colors of the rainbow, except yellow, including many tones of blue and violet, rose and crimson, but without flesh pinks or white. Sturdy, upright growth. Pkt., 25c.

7132 Aquilegia. Blue Heaven. ① This variant of the Rocky Mountain Columbine, instead of pale blue petals and white perianth, is of a lovely deep lavender throughout, and has several extra petals but has completely lost its spurs. It resembles a double large flowered Clematis on erect stem, with a center of bright yellow stamens. It requires deep, porous drainage and its color is loveliest in semi-shade. Pkt., $1.00.

Larkspur Giant Imperial
See our Back Cover for illustration and Special Collection Offer.

All-America Winners

Varieties judged best of 1945 introductions, after testing in trial gardens in all parts of the country

3187 **MARIGOLD** Flash. Pkt., **25c.**

3187 Marigold Flash. □ All America Silver Medal, 1945. The name "Flash" is descriptive of the bright combination of colors which range from vivid red through bronze with a few yellow flowers to give a harmonious contrast to the massed brilliance of the fiery alive plants. In most of the flowers the base color of tangerine is overlaid with rich marigold-red. Individual flowers of this new Single French Marigold grow 1¾ in. and more across; the plants, 18 in. tall. Pkt. (100 seeds), 25c.

3131 **MARIGOLD** Real Gold. Pkt., **25c.**

3131 Marigold Real Gold. All America Bronze Medal, 1945. Large carnation-type flowers up to 4½ inches across are borne on compact bushes 20 to 25 inches tall, rather late in season. Color is golden orange illumined with yellow and flowers are abundant. Pkt. (100 seeds), 25c.

259 **ALYSSUM** Violet Queen. Pkt., **15c.**

True Violet Sweet Alyssum

Culture: A, B, D or E, Page 58

259 Alyssum Violet Queen. □ A beautiful, fragrant sweet Alyssum, of bright clear violet hue, holding its colors through the hottest, driest summer. Can be sheared like white Alyssum and grows luxuriantly covered with bloom, from early summer to freezing. It flowers in 45 days from seed sown in the open ground. ⅛ oz., 35c; ¼ oz., 60c; 1 oz., $2.00; pkt. 15c.

Bloomfield Hills, Mich., Feb. 7, 1944
I found Alyssum Violet Queen successful in an inside window box last winter and want to try it again.
E.B.

1351 **CARNATION** J. M. Bridgeford. Pkt., **50c.**

Garden Carnations

Culture: D, E, A or B, Page 58

1351 J. M. Bridgeford. (Malmaison.) 1¼ ft. □ From seed sown indoors (or outdoors) bears in 90 days on long stems, lovely fully double Carnations, 3 to 4 inches across, of all Carnation colors, including yellow. Flowers throughout the summer. Pkt., 50c.

New English Daisy ①

Culture: C, Page 58

1127 Bellis Giant Quilled Double Pink. Double Daisies are one of the popular Spring bedding plants. When associated with Pansies, they produce a charming effect. Sow seed very early in the year in the house or wait until June when seed may be sown to give strong plants for bedding out in October in cold frames for next spring blooming. Pkt., 25c

New Antirrhinums □

RUST RESISTANT SNAPDRAGONS

Culture: A, B, D or E, Page 58

345A Reveille. Softly tinted by the golden rays of an early sunrise, Reveille is a deep luminous yellow with the upper lip of each floret toning to a lighter lemon yellow. Pkt., 20c.

336 Rosalie. A rich deep rose with underlying tone of topaz or amber. The tube and lip are the same color, which greatly intensifies the depth and richness of color. Plants base branching and produce 6 to 8 huge flowering spikes on which the florets are decidedly well arranged. Pkt., 20c.

349 Padre. A glistening crimson, rich and beautiful; an excellent grower with uniformly compact contrasting foliage. One of the best. Pkt., 25c.

336 **ANTIRRHINUM** Large Flowering. Rosalie. Pkt., **20c.**

Pink "Spider-Plant"

Culture: D or E, Page 58

1803 Cleome Pink Queen. □ Huge heads of delightful and refreshing true pink. Reaches over 4 feet, well branched, airy foliage, blooming from June until frost. This is an excellent background subject. Pkt., 25c.

1802 Golden Cleome. No seed available.

1803 **CLEOME** Pink Queen. Pkt., **25c.**

1436 **CELOSIA** Gilbert's Maple Gold. Pkt., **25c.**

Golden Coxcomb

Culture: A, B, D or E, Page 58

1436 Celosia Gilbert's Maple Gold. □ The heads of this crested type Coxcomb are almost globular, and the dominant color is a golden maple, with some flowers varying toward rose or pink. The plants grow to three feet and bear eight to twelve heads, which can be increased if the center stem is pinched back. Do not feed the plants. Pkt., 25c.

Largest of All Coxcombs □

Culture: A, B, D or E, Page 58

1438 Celosia Giant Crimson Glory. 12 to 18 inches. On strong, non-branching stems, oval-shaped flower heads resembling deep pile crimson velvet, 7 to 10 inches long by 5 to 6 inches wide, are borne. This is the largest Celosia flower, and the plant's dwarf habit makes it especially effective for massing in beds or planting in borders. To reach full maturity, seeds should be started indoors, and the plants set out in rich, sandy soil, in full sun. Pkt., 25c.

New Calendula Blend □

Culture: A or B, D or E, Page 58

1207 Trial Ground Mixture. Saved from the trial grounds of one of our growers. The color balance leans toward pastel and the form is somewhat that of the popular Chrysantha, with blooms the size of the largest varieties. This blend has proved to be heat resistant and blooms over a longer season than the ordinary varieties. Pkt., 25c.

White-Enamel African Daisy

Culture: A, B or E, Page 58 □

2318 Dimorphotheca Glistening White. 6 to 8 in. The petals of the daisy-like flowers 4 inches in diameter, glisten like white enamel. They are borne freely on low, spreading plants, like hot sun and dry weather, and flower long after frost. Pkt., 25c.

1696 **CHRYSANTHEMUM** Vaughan's Rainbow Mixed. Pkt., **25c.**

New Sweet Williams

DIANTHUS BARBATUS ①

Culture: B, D or E, Page 58

7688 Midget Single Mixed. 3-4 in. Alpine Sweet William, uniform habit. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most blooms tri-colored. Pkt., **25c.**

7711 Midget Double Dwarf Mixed. An attractive double form of the above, 3 to 4 in. tall in a bewildering color range. Pkt., 15c.

7650 Giant White "Special." Pure white flower clusters, ⅓ larger with strong wiry stem from ⅓ to ½ longer than ordinary. In growth it resembles the Perennial Phlox and is a splendid cut flower. The individual florets average from ½ to ¾ of an inch in diameter, their size depending somewhat on the culture. The flower clusters range from 4 to 7 inches. Sown from May to July will bloom next June. Pkt., 25c

7464 **GIANT DOUBLE SHASTA** Daisy. G. Marconi. Pkt. (35 seeds), **50c. Plants,** 3 for **$1.50.**

Korean Mums From Seed

Culture: A, B, D or E, Page 58

1621 Chrysanthemum Korean Hybrids. ① These large, single flowers of many lovely colors can be flowered from seed the first year. The hardy Korean species is crossed with garden varieties. Pkt., 50c.

Novel Annual Mums □

Culture: A, B, D or E, Page 58

1696 Vaughan's Rainbow Mixture. This wonderful new strain of Carinatum Hybrids includes purple, scarlet, orange, salmon rose, yellow, white, all beautifully zoned. Pkt., 25c.

7452 Chrysanthemum September Jewels. They are easy to grow from seed, start to bloom two to four weeks ahead of any other type and have many beautiful colors. The plants grow 1 to 2 feet tall and flowers 2½ inches in diameter. Pkt., 25c.

1928 **STRAWBERRY CORN.** Pkt., **25c.**

Decorative Pop Corn □

Culture A, Page 58

1928 Strawberry Corn. While this is really a "Pop Corn" and a very good one at that, its charm is in its attractive effect of the tiny ears which are only 2 in. long and 1½ in. wide and are a rich and shiny mahogany color, not unlike a gigantic strawberry. They are enclosed in straw-colored husks which may be bent back showing the ear. Pkt., 25c.

Giant Double Shastas ①

Culture: B, D or E, Page 58

7464 Diener's New Giant Double Ever-Flowering Shasta Daisy G. Marconi. The largest Shasta Daisy today, the flowers are around 7 inches in diameter and stems 2½ to 3 ft. long. Pkt., (35 seeds), 50c. **Plants,** 3 for $1.50; doz. $4.75; each, 60c.

7504 Giant Double Shasta Daisy. While first year flowers of this perennial have many singles, in the second year they are almost 100% double, with flowers up to 6 inches, and a long flowering season. Pkt., 35c. **Plants;** 3 for $1.25; doz., $3.75; each, 50c.

Golden Sweet Pea

Culture: A, B or E, Page 58

1929 Crotalaria Retusa. The "Golden Sweet Pea." A valuable, decorative annual with flowers much like Sweet Peas but entirely different in habit of growth. The plants are sturdy, erect, about 2 feet tall, with spire-like spikes, closely furnished with glossy, bright golden yellow blooms. It will flourish in hot, dry places where ordinary Sweet Peas will not thrive. Pkt., 25c.

TRUE NAVY BLUE DELPHINIUM □ ①

Culture: A or B, D or E, Page 58

7523 Delphinium Chinese Blue Mirror. 1½-2 ft. One of the few true bright navy blue flowers. May be cultivated as an annual as well as perennial, and is suited for cutting or border. When grown in masses it makes an overwhelming impression. Pkt., 35c.

1621 **CHRYSANTHEMUM** Korean Hybrids. Pkt., **50c.**

1929 **CROTALARIA** Retusa. Pkt., **25c.**

523 **DELPHINIUM** Chinese Blue Mirror. **35c.**

2259 **DIANTHUS** Heddewigii Gaiety. Pkt., **25c.**

New Dianthus Strain

Culture: A or B, Page 58

2259 Dianthus Heddewigii Gaiety. □ The large fringed flowers have a bewildering variety of pink, white, red and maroon coloring, in decorative patterns, and borne freely on dwarf plants. There are numerous double and semi-double forms. The many blossoms, borne for a long season, will cover a bed of these plants with a fascinating display of brilliant colors. Pkt., 25c

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7820 Gaillardia Sungod. ① The full circular flowers are of a rich golden yellow without a trace of any other color. The large self-colored blooms supported by stout stems above the pale green foliage continue from early summer until late in fall. Pkt., 25c

2491 **GERANIUM** Flowerland Strain. Pkt. (50 seeds), **35c.**

8089 **IRIS** Kaempferi Special Strain. Pkt., **35c.**

Oriental Iris

Culture: A, B or C, Page 58

8089 Iris Kaempferi Special Strain. ① Seed was saved from a grand exhibition collection of six-petaled varieties. Large and rather flat blooms rich in coloring. Blooms in June and July one year after sowing. Pkt., 35c.

8221 Lythrum Superbum, The Beacon. ① Excellent for moist or wet locations in the border. An English introduction of merit, produce 12 or more 3-foot upright spikes of clear rosy red which last a month or more, and are also good for cutting. Pkt., 25c.

3164A **MARIGOLD** Dwarf French Double Butterball. Pkt., **25c.**

Dwarf Marigolds □

3164A Dwarf French Double Butterball. The name fits this pretty edging Marigold of canary yellow. It grows 10 inches tall, in a mound covered with 1½-inch globular blossoms. Early and continuous flowering, excellent for ribbon planting or pot plants. Pkt., 25c.

3172 Dwarf Coronet Improved. Averages about nine inches in height. The variety produces small, Scabiosa-flower, golden yellow in center and deep mahogany red collar. Plants are compact, free-blooming and early. Pkt., 25c.

3165 Sunkist Orange. It is a dwarf, compact, very early, continuous blooming, dwarf double, 6 to 12 inches tall, flowers 1½ inches across. Companion variety for the already popular Butterball. Pkt., 25c.

3163B Yellow Pygmy. 8 in. Light lemon-yellow, Lilliput French double. Small, 1¼ in. blooms, rather free and exciting for edging beds. Pkt., 15c.

3159 Honeycomb. 15 in. This odorless deep orange belongs to the Double Dwarf African type. Peculiar and unusual petal formation makes it a distinct variety. Pkt., 25c.

Geranium Seed

Culture: A, B or C, Page 58

2491 Geranium Flowerland Strain. □ Improved single large-flowered seed saved from name varieties. Include seed of Fiat, White Beauty, Alice of Vincennes, Madam Kovelesky and others which will provide a wide range of colors. This seed will germinate irregularly in from 14 days to two months. The plants may be lifted as they reach suitable size, but the seed box should not be disturbed until germination has ceased. Pkt. (50 seeds), 35c

3151 **MARIGOLD** Mammoth "Mum." Pkt., **25c.**

Like Yellow Chrysanthemums

Culture: A, B, C, D or E, Page 58

3151 Marigold Mammoth "Mum." 30 in. □ Blooms early. The flowers are fluffy ball-like, light sulphur yellow in color. The flowers are 3½ in. across and 2 in. deep and develop into the largest chrysanthemum-flowered Marigold. Pkt., 25c.

3132 Mission Giant Yellowstone. A sister of Goldsmith which was orange, this is golden yellow, of incurved, globular form, 2½-inch flowers, rather late, grow 3 to 5 ft. Pkt., 25c.

3153 Goldsmith. The best version of the Chrysanthemum flowered Marigold which blossoms early enough for northern gardens. Orange globular flower with incurved petals, borne on long base branching stems, 3 feet tall. Pkt., 25c.

3127 Limelight. A pale primrose yellow or deep cream, in the incurved Chrysanthemum-flowered type. Early-flowering, 1½-2½ inches in diameter, free-flowering and coming quite true. Pkt., 15c.

3170A **MARIGOLD** Spry. Pkt., **25c.**

A Miniature Harmony □

3170A Marigold Spry. This is a miniature version of Harmony, growing in compact, 9-inch bushes, producing freely flowers less than half the size of the popular variety Harmony. It is uniform and fine for ribbon planting. Pkt., 25c.

3177 **MARIGOLD** Gigantea Pot O'Gold. Pkt., **25c.**

Golden Giant Marigold

3177 Dwarf Gigantea Pot O'Gold. 12 inch. Plants are compact, well branched, bearing large blooms of bright deep orange. Flowers are somewhat loosely formed, with broad heavy petals, gracefully overlapping. Blooms early. Pkt., 25c.

Lovely New Swiss Giant

3901 Pansy Swiss Raspberry Rose. An entirely new color in the Swiss giant strain. A lovely tint of pink best described as Raspberry Rose. It has a suggestion of a lighter tone on the edges of the petals and is marked with a velvety blotch in a deeper tone. Pkt. (100 seeds), 50c.

3960 **PETUNIA** Cheerful. Pkt., **25c.**

Red, White and Blue Mammoth Morning Glory

Culture: A or B, Page 58

2938 Morning Glory Columbia. □ The vines grow about 10 ft. high and are covered with attractive foliage and produce many 3 in. trumpets of blue, edged bluish white with a reddish star. Pkt., 25c.

Deep Violet Nierembergia

Culture: D or E, Page 58

3412 Nierembergia Coerulea Purple Robe. This is like the pale lavender Hippomanica, in its compact growth, completely covered with bloom, but its flowers are of deep violet, unfading in the hot sun, where Hippomanica would bleach to almost white. Blooms in 15 weeks from sowing, prefers sandy soil and full sun, a splendid bedding and edging subject Pkt., 25c.

New Single Dwarf Petunias

Culture: A, B, D or E, Page 58

4092 Petunia Ruffled Nana Compacta Grandiflora Mixed Colors. A new type of Petunia with very attractive medium sized, well fringed and ruffled flowers borne in great profusion on erect growing, very compact plants only 8 to 12 inches tall. The mixture of colors ranges from pure white to dark red in every imaginable gradation and combination Pkt., 50c.

3974 Petunia Nana Erecta Snow White. Compact erect growing plants of the Hybrida variety covered with dozens of pure paper white flowers with large yellow throats. Pkt., 25c.

3960 Petunia Cheerful. The clear salmon pink flowers have a deeper rose veining toward the throat. The growth is low spreading close to the ground, later the plants form a mound 10-12 in. high with a spread of 2 ft. Growth is densely compact and the plants are studded from early summer until frost with flowers 2½ in. across. Pkt., 25c

4083 Petunia Blushing Maid. Its single flowers are of largest size, deeply fringed and ruffled, of a rosy pink and white with yellow veins and throat. One of the loveliest giant singles. Pkt., 35c

4022 Petunia King Henry. Compact, globular habit, large blooms of a velvety blood red color on short stems. A dwarf Flaming Velvet. Pkt., 25c.

Waukegan, Ill., October 12, 1944

May I take this opportunity to tell you the roses you sent this spring were the finest I ever had.

W. H. W.

Single Red Petunia

4007 Glow. The richest red small flowered single petunia, a dwarf, bushy plant, which is covered with 2½-inch flowers of dazzling carmine red. Pkt., 25c

4083 **PETUNIA** Blushing Maid, Pkt., **35c.**

3934 **PETUNIA** Dwarf All Double Victorious Mixed. Pkt. (100 seeds), **50c.**

4426 **PORTULACA** Jewel. Pkt., **25c.**

All Double Petunias

Since the outbreak of war, no all double petunia seed has been imported into the United States, and except for 2 varieties none is produced here. The only seed available has been in stocks on hand which has rapidly decreased. Our own stocks were large, but we have reached the point where we are unable to offer named varieties, but we can supply our excellent Victorious mixture, in which all the colors of this well balanced strain, as illustrated, are included.

Seeds should be sown indoors early in the season, taking care to sow thinly enough to avoid crowding, so that every seedling can be raised.

3934 Dwarf Giant Fringed Mixed (Victorious). The flowers are very large, exquisitely ruffled and fringed and contain a good range of brilliant colors. Pkt (100 seeds), 50c.

3932 Petunia All Double America. Medium size flower of carnation form, 100% true for doubleness. The first double ever created in America. Branching erect, the plants develop into trim little plants 1 ft. high and 18 in wide. Graceful fully double rose pink flowers up to 2¼ in. Leaves smaller than other varieties with almost entire lack of stickiness. Pkt. (100 seeds), 50c; 2 pkts., for 90c; 1,000 seeds $3.50.

3994 **PETUNIA** Red, White and Blue, Mixed. Pkt., **25c.**

Red, White and Blue

Many will wish to plant beds or border combinations of red, white and blue flowers this spring, and there are no flowers better suited to this purpose than the small flowered Petunias. In the illustration are shown **4020 Snowball, pkt., 10c; 4008 Topaz Queen, pkt., 25c; 3992 Blue Bird, pkt., 25c.**

3993 Red, White and Blue Collection. 1 pkt. each of above three varieties (value 60c), **50c.**

3994 Red, White and Blue Petunia Mixture, a blend of the above three varieties. Pkt., **25c.**

A Floral Jewel

4426 Portulaca Single Jewel. No one who has in mind the usual Portulaca flower can imagine the beauty of this new variety, which is four times as large, and of a brilliant deep crimson coloring. One of the most popular of annuals, the Portulaca is so easy to grow in dry, sunny places, that its beauty is often overlooked; but here is a new member of the family that will attract surprised attention in any company. It is as free flowering as the smaller flowered varieties. Pkt., 25c.

Gridley, Illinois, August 21, 1944

I want to tell you that your Portulaca Jewel is one of the finest annuals I have ever grown. It is a beautiful brilliant color but I think you err when you say "crimson." I'd say vivid dark rose colored. The plants stool out over 2 in. across, the foliage, rugged and green in our worst early summer drought. One time at least that a flower is all its catalog description promised. Mrs. O.M.L.

8351 **PHYSOSTEGIA** Virginica Vivid. Pkt., **25c.**

Pink Perennial

8351 Physostegia Virginica Vivid. ① A perennial that grows only 20 in. tall, a great improvement on the original type. It blooms three weeks later, flowers are a deeper pink and are much larger and better, lasting a long time when cut. Pkt., 25c.

Best Dwarf White

4011 White Perfection. Best dwarf white Petunia. Grows about 10 inches in height. Flowers pure white of fine size and cover the plant. Pkt., 25c.

4104 **PHLOX** Gigantea Salmon Glory. **20c.**

Giant Annual Phlox □

Culture: A, B, D or E, Page 58

4104A Gigantea, Red Glory. The richest bright red, with contrasting white eye. Its color is the same as Scarlet Flax; a free, continuous bloomer. Pkt., 25c.

4103A Gigantea Rosy Morn. A gay combination of rose pink with a white eye, a color that will not fade in the strong sun. Pkt., 25c.

4104 Gigantea Salmon Glory. Florets measuring 1½ inches, of pure salmon pink. They not only register well in border clumps and bedding masses, but are useful cut flowers, all summer. Pkt., 20c.

4103 Gigantea Art Shades. A strain with flowers 1½ inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. Pkt., 25c.

4731 **SCABIOSA** Blue Moon. Pkt., **15c.**

Sky Blue Scabiosa

Culture: A, B, D or E, Page 58

4731 Scabiosa Blue Moon. 4 ft. Large blossoms of conical shape of sky-blue tinged with lavender, borne on long, strong stems, ideal for cutting. Pkt., 15c.

New Iceland Poppy

8287 Poppy Nudicaule Kelmscott Strain. The best strain, strong wiry stems when well grown, 3 ft. long, large flowers in great variety of beautiful colors. Pkt., 25c.

New Blue Viola □

Culture: A or B, Page 58

5788A Cornuta Blue Elf. 9 in. The upper petals are deep violet blue, lower petals light violet blue with gold eye and black lines radiating from center. Flowers ¾ in. in diameter, small dark green foliage. A perennial best treated as an annual. Seed sown in March will begin blooming in June and continue all summer. Pkt., 25c.

4620 **SALPIGLOSSIS** Dwarf Giant Flowered Mixed. Pkt., **20c.**

New Giant Salpiglossis □

Culture: A or B, Page 58

4620 Dwarf Giant Flowered Salpiglossis Mixed. Giant flowers of all the delightful colors of this gold-veined trumpet flower are borne on low growing plants of compact habit, and will cover the bed or border with glowing color. Many consider this the best of all summer cut flowers. Pkt., 20c.

4621 Tall Giant Flowered Salpiglossis Mixed. This is a family that thrives in a hot and dry climate and it is one of the few annuals which will bloom during the heat of summer. The large flowers in their many attractive warm colors appear in full open clusters at the top of the plant and make wonderful cutting material. Pkt., 25c.

Green Castle, Penna.; April 6, 1944
I received your seeds safely and am very well satisfied. I am especially pleased with your Passion Flower seed.
A. S.

Brilliant Double Sunflower

Culture: A, B, D or E, Page 58

2713 Helianthus Sun Gold. □ 4 ft. This sunflower makes a brilliant sea of color as all the plants burst into bloom on the same day. May planting will flower in early August. Blooms are all double. Pkt., 15c.

2713 **HELIANTHUS** Sun Gold. Pkt., **15c.**

6053 **ZINNIA** Lilliput, Dainty Gem. Pkt., **25c.**

Dwarf Bicolor Zinnia

Culture: A, B, D or E, Page 58

6053 Zinnia Lilliput Dainty Gem. The gay, colorful and intriguing little bicolor rose flowers will add to the garden picture and supply attractive bouquets for home decoration. 1½ to 2 ft. Pkt., 25c

6050 **ZINNIA** Lilliput Tom Thumb Mixed. **15c.**

Tom Thumb Zinnias □

Culture: A, B, D or E, Page 58

6050 Zinnia Lilliput Tom Thumb Mixture. Small double flowers cover the plants which grow 6 inches tall. Red, orange, pink, yellow and white pastels. Delightful for low bowls. ¼ oz., 50c; pkt., 15c.

LARGEST OF ALL ZINNIAS

5902 Burpee's Super Giant Zinnias. 3 ft. Flowers are 5½ to 6½ inches across and of a wide diversity of colors and forms. Striking in the garden; excellent for cutting. Rare and unusual shades of cream, buff, apricot, salmon, rose and orange predominate, with yellow, white, scarlet and crimson, and many two and three-tone effects Pkt., 25c.

5788A **VIOLA** Blue Elf. Pkt., **25c.**

Vaughan's Annual Flower Seeds

COMPLETE LIST OF STANDARD VARIETIES

5848 SURPRISE GARDEN MIXTURE. Oz., **25c.**

Surprise Garden Mixture

80 Different Annual Flowers Growing 1 to 3½ Feet Tall, Oz. 25c

5848 Vaughan's Surprise Garden of Annuals is a "garden lover's dream come true." From early Spring until killing frost there is a procession of color. It is not a collection of leftovers; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance and probably will want to order separately another year. Furnishes an unending amount of cutting material and a daily surprise to see what will appear next. This mixture does not contain seeds of vines, nasturtium etc. Allow plenty of space to avoid crowding, keep watered and weeded, and remove faded flowers. Use these packets (1 oz., each 25c) for friends on their birthdays

Oz., 25c; ¼ lb., 90c; 1 lb., $3.35.

Annuals die each winter and since they must be replanted each spring, they permit new arrangements and different color schemes each year.

Erwin, Tenn., June 30, 1944

I just want to tell you about the Surprise flower seed I got from you. I planted them outside my back fence and it has been a riot of color and surprises. Everyone thinks it beautiful and said I should have had it in the front yard. I also gave two packages away to my friends and they are enjoying them also.

Mrs. H. D.

Napier, New Zealand, March 28, 1944

Just a line to say how we appreciated the Surprise Garden Mixture. They were a mass of bloom and admired by many. Also we liked the Oak Leaf Lettuce and Touchon Carrots. L.E.M.

241 ALONSOA Miniata. One of the brightest scarlet annuals. Fine compact habit and very free-flowering. Pkt., 15c.

Abronia (Sand Verbena) □

Culture: A, B, D or E, Page 58

100 × 10 in. Clusters of Verbena-like, fragrant, rose colored flowers over mats of succulent foliage; for hot dry ground cover or rock garden. Pkt., 10c.

Abrus □ 7 ft.

Culture: A, B, or D, Page 58

105 Precatorius (Weather Plant). Beautiful prayer beans. Seeds resemble coral beads; may be used for necklaces. Flowers light purple. Pkt., 10c.

166 ACROCLINIUM Sensation Double Giant Mixture. Pkt., **15c.**

Acroclinium (Everlasting) □

Culture: A, B, D or E, Page 58

Its graceful, Daisy-like flowers can be dried for winter bouquets. It blooms in 6 weeks. Height, 20 inches.

150 Double Pink. 10c. **155 Double White.** 10c.

166 Sensation Double Giant Mixture. Flowers are double and semi-double; white, chamois, flesh color and bright rose. Pkt., 15c.

Ageratums for All-Summer Blue

Culture: A, B, D or E, Page 58

Most popular summer blooming annuals supplying, during the season, dense heads of fluffy flowers in tones of blue and lavender, which are so necessary to balance the color effect in a garden.

190 Tall Sorts Mixed. Pkt., 10c.

197 Blue Ball Improved. Compact, six inches, high, uniform. Broad green foliage is almost smothered with flowers of deep periwinkle blue. Pkt., 25c.

198 Blue Bedder. 4 in. Uniform compact plants bearing clusters of lavender-blue flowers. The color is deeper than that of Blue Ball. Pkt., 25c.

200 Blue Cap Improved. 4 in. Definitely more dwarf than Blue Ball, more compact in habit. Bright, deep, lavender blue. ⅛ oz., 50c; pkt., 15c.

221 Golden Ageratum. 12 in. Fluffy, golden ball flowers, resemble the so-called perennial ageratum. This is an annual, Lonas Inodora. Pkt., 25c.

214 Fairy Pink. See Novelties. Pkt., 25c.

220 Lasseauxi. 1 ft. Clear pink, excellent cut-flower. Pkt., 15c.

217 Little Blue Star. 4 in. Flower opens light blue with purple center and develops to a bright blue self. Pkt., 15c.

195 Midget Blue. Three inch globular plants are smothered with Ageratum blue flowers. Most uniform in habit, truest in color yet produced. The best we know for narrow ribbon planting. Pkt., 25c.

187 Purple Perfection. 8 in. (Improved Blue Perfection). Vivid dark purple. Compact plant bearing large flowers freely produced. Fine for ribbons, and edging. Pkt., 15c.

215 Venus. 1 ft. Forms a dense bush which is profusely covered with flowers. The buds are red, the petals are white and the center of the flower red. Pkt., 15c

195 AGERATUM Midget Blue. Pkt., **25c.**

Amaranthus □

Culture: A, B, D or E, Page 58

Tall, vigorous ornamental foliage plants, with showy flower clusters, which attain their finest coloring in hot, sunny locations. Rich soil increases the size of leaves at the expense of their color. Give plenty of room.

267 Caudatus (Love Lies Bleeding). 3 ft. Drooping red spikes. Pkt., 10c.

275 Tricolor (Joseph's Coat). 2½ ft. The inner foliage is of blackest bronze, tipped with green, the outer bright scarlet and gold. Pkt., 10c.

285 Vaughan's Special Mixture. A well balanced mixture of named varieties. Pkt., 10c.

Anagallis (Pimpernel) □

(Poor man's Weather Glass)

Culture: A, B, D or E, Page 58

307 Coerulea. 11 in. One of the most conspicuous low growing blue flowers, but must have a sunny place to do well. The plants spread rapidly and bloom freely. Real turquoise-blue. Pkt., 10c.

309 Terra Cotta Red. 11 in. New, vivid. Pkt., 15c.

305 Mixed. 11 in. Blue and scarlet flowers, effective as edgings, also charming on rockwork and in pots. Pkt., 10c.

KEY TO SYMBOLS: □ Annuals. # Biennials. ① Perennials. ÷ Greenhouse Plants. + House Plants. = Climbing Plants. × Rock Garden Plants.

Best New Snapdragons

Culture: A or B, D or E. Page 58

425 Vaughan's Special Mixture of Snapdragons. (Antirrhinum). Includes all the varieties, providing a never ending color feast of long stemmed cut flowers. ¼ oz., 60c; ⅛ oz., 35c. **Pkt., 15c.**

Rust-Resistant

If you have found Snapdragons difficult to grow, rust is probably responsible. Rust is a widespread disease which discolors the leaves and saps the vitality. Growing the Rust-resistant strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged.

Rust-Resistant Maximum

Giant Flowered. Spikes 32 inches tall, and blooms 2 to 2½ inches across.

These have huge individual flowers and flower spikes.

341 **Maximum Alaska.** White.
342 **—Autumn Glow.** Copper shades.
343 **—Campfire.** Pure luminous scarlet.
344 **—Canary.** Yellow.
343A **—Copper King.** Burnished copper.
341C **—Crimson.** Fiery crimson.
344C **—Daffodil.** Beautiful two-tone yellow.
345 **—Fair Lady.** Silver pink with white tube and yellow tip on lip.
424 **—Golden Rod.** Plants are base branching, 26 in. tall with many unusually thick, erect, well-filled spikes of large, bright golden yellow flowers, the edges of which are delicately waved and crinkled.
342A **—Golden Glory.** The deepest yellow.
343B **—Indian Summer.** Coppery orange-scarlet.
346 **—Loveliness.** Pure soft rose-pink.
419 **—Pink Sensation.** Pure pink.
347 **—Red Cross.** Deep rich crimson, white tube.
341A **—Swing Time.** Loveliest rose-pink, a bright yellow lip and white tube.

Each of above maximum type, pkt., 20c; any 3 pkts., 50c.

348 All the above Rust-resistant Maximum Snapdragons Mixed. Pkt., 25c; 3 pkts., 65c.

255 Ribbon Planting of **Vaughan's ALYSSUM Little Gem.** Pkt., **10c.**

MAJUS GRANDIFLORUM—Large Flowering. 22 in.

344A **Grandiflorum Brilliant Rose.** True rose pink.
344B **—Daintiness.** **(Pink Domino).** Rose pink, white tube.
348A **—Orange Shades.**
349 **—Padre**—See Novelties Pkt., 25c.
345A **—Reveille.** Reveille is a deep luminous yellow with the upper lip of each floret toning to a lighter lemon yellow.
336**—Rosalie.** A rich deep rose with underlying tone of topaz or amber. See Novelty Pages for illustration.
337 **—Salmon Pink.**
338 **—Shasta.** Pure white.
353 **—Stoplight.** Copper scarlet.
352 **—Yellow Jacket.** A clear deep yellow.

Each of above, pkt., 20c; any 3 pkts., 50c.

355 **Majus Grandiflorum Mixed.** Pkt., 20c.

SUPER-MAJESTIC TYPE—Semi-tall Giant Flowered

327 **Orange Shades.** Marvelous shades of rose deeply overlaid tangerine or golden orange.
328 **Red Rocket.** Bright red.
326A **Rose Sensation.** Richest rose pink with a slight touch of salmon.
329 **Royal Crimson.** Garnet crimson.
331 **Silver Pink.** Lovely deep pink with a white blotch on the lower lip.
332 **Super-Majestic Type Mixed.**

Each of Super-Majestic type, pkt., 20c; any 3 pkts. for 50c.

Not-Resistant

Semi-Tall Sorts, 18 to 20 inches

These are recommended for most beds and borders as they require no staking. The flowers have many new shades and tints.

368 **Black Prince.** Nearly black, small dark leaves.
379 **Empress.** Rich crimson.
384 **Flame.** Brilliant orange-scarlet.
390 **Golden Queen.** Rich yellow.
404 **Prima Donna.** Terra-cotta pink.
404B **Red Emperor.** Rich deep scarlet, compact habit.
404C **Royal Rose.** Rich deep rose.

Each of the Semi-Tall sorts, pkt., 10c; 3 for 25c.

409 **Semi-Tall Mixed Majus Nanum.** ⅛ oz., 45c; pkt., 10c.

See Also Novelties.

Sweet Alyssum

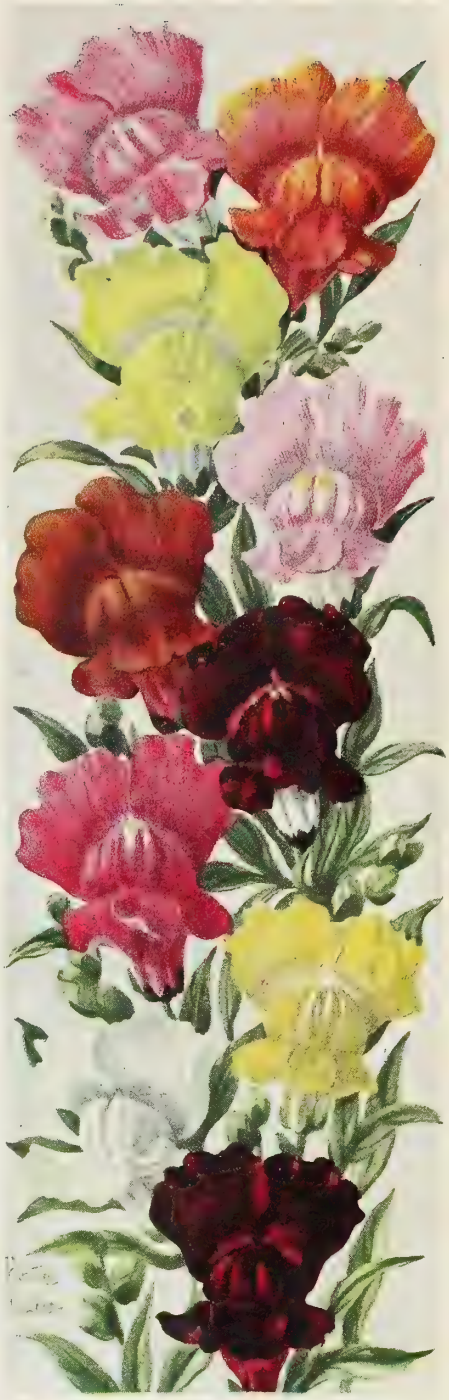
Ideal for Edging □

Culture: A, B, D or E, Page 58

IT IS truly queen of edging plants whether grown in a continuous ribbon or alternated with Violet Queen, yellow Signata Marigold, or dwarf Ageratum. Its white flowers never fail; it is amazingly vigorous and hardy, and exceptionally uniform.

255 **Vaughan's Little Gem (White Carpet).** 4 in. The plants are so completely covered with a froth of tiny snow-white blossoms they create the impression of a beautiful white carpet. Sweet Alyssum puts a lace frill to any garden and enhances the colors of every flower. 1 oz., $1.40; ½ oz., 75c; ¼ oz., 40c; pkt., 10c.
250 **Maritimum (Sweet Alyssum).** 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Mix the seed with sand to prevent sowing too thickly. 1 oz., 60c; ½ oz., 35c; pkt., 10c.
259 **Violet Queen.**—See Novelties. Pkt., 15c.
261 **Lutescens.** 8 in. Dwarf, cream or straw color Pkt., 10c.

See also Perennial Pages.



Typical Florets of Vaughan's Giant Rust-Resistant Snapdragons

Left side, reading down.	Right side, reading down.
341A Swing Time.	343 Campfire.
344 Canary.	346 Loveliness.
343B Indian Summer.	347 Red Cross.
336 Rosalie.	424 Golden Rod.
338 Shasta.	329 Royal Crimson.

Each of above, pkts., 20c; any 3 for 50c.

Miniature Snapdragons

ROCK HYBRIDS ×

A delightful new strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings.

433 **Baby Rose.** Very free flowering, compact plants covered with flowers of a deep pink self tint. Pkt., 20c.
432 **Magic Carpet.** Very compact with a good range of colors including pinks, terra cotta shaded apricot and a few purplish shades, with light shades predominating. Excellent for low floral arrangements. Pkt., 25c.

ASTERS, Giant Branching, Wilt Resistant. Top, 929, Heart of France (red.) Middle, 901, White. Bottom, 905a, Blue. Each pkt., **15c.** Special Offer 18, 1 pkt. each of above (3 pkts.) **40c.**

Wilt Resistant Asters

Culture: A, B, D or E, Page 58

If YOU should have any trouble raising Asters — TRY OUR WILT RESISTANT STRAINS. Perhaps your soil is infested with Aster wilt, but even if not, you will find the Resistant Asters much more vigorous and productive. While not immune from the Yellows disease, which is insect-borne and distinct from the Wilt, they are far less susceptible to infection and injury from it. Where we offer the Wilt Resistant Strain of a variety, we have omitted the ordinary strain from our list.

VAUGHAN'S SPECIAL WILT RESISTANT

915 Mixed. A specially prepared mixture containing in balanced proportion all the wilt resistant varieties we offer. An outstanding value for the cutting garden, or mixed bed or border. ⅛ oz., 40c; pkt., 15c.

946 Pink Shades Mixed. **947 Light Blue Shades Mixed.**
948 Dark Blue Shades Mixed.
Each of above, pkt., 15c; 3 pkts. for 40c.

Early Beauty 2 to 3 ft.

Attains a height of 2 to 3 feet of branching habit. Flowers large, borne on long stout stems. Bloom at same time with Crego and Giant Branching.

527 Azure Blue. **531 Purple.** **533 White.**
528 Black Prince. **532 September Beauty,** flesh pink.
536 Carmine Rose.
529 Crimson. **Each of above, pkt., 15c; 3 pkts. for 40c.**
534 Mixed. ⅛ oz., 35c; pkt., 15c.

Early Giant 1½ to 2 ft.

An exceptional new class. The flowers are full petaled with broad, graceful petals, daintily plumed and intertwined, very large, 4 to 5 inches across. There are practically no laterals or side branches. Four to six weeks earlier than the Giants of California.

541 Light Blue. A big lacy flower. **542 Peachblossom.** White flushed pink.
543 Rose Marie. Rich, lively shade of rose.
Each of above, Pkt., 25c; any 3 pkts. for 65c.
544 Mixed. All three colors. ⅛ oz., 50c; pkt., 25c.

Giant Branching 2 to 3 ft.

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid.

905 Azure Blue, dark lavender.
905A Blue. **904 Crimson.** **902 Shell Pink.**
903 Deep Rose. **908 Sensation** (Scarlet) **901 White.**
Each of above, pkt., 15c; any 3 pkts., 40c.
898 Mixed. ⅛ oz., 35c; pkt.,15c.

Giant Crego — Ostrich Feather — 24 inches

The flowers are immense on long stems. The petals are curled and twisted, plants branching. Flowers in abundance from late August until frost.

559 Azure Blue. **561 Crimson.** **565 Pink.**
560 Blue Flame, navy blue. **563 Deep Rose.** **566 Purple.**
564 Lavender. **568 Violet.**
560A Cattleya fascinating shade of orchid. **569 White.**
Each of above, Pkt., 15c; any 3 pkts., 40c.
575 Mixed. ⅛ oz., 35c; pkt., 15c.

Princess—New Crested

Princess asters have a full crested center surrounded by several rows of strong guard petals. Flowers are fine keepers. Early and free bloomers. 18 to 24 in.

625 Princess Anne. Delicate pink turning to rose pink as they mature.
626 Princess Bonnie. A beautiful soft salmon rose with center of rich gold.
627 Princess Marsha. A strong, vibrant cinnabar scarlet, with rich gold center.
Each of above, pkt., 25c; any three pkts. for 65c.

Golden Sheaf 2 ft.

556 The deepest yellow Aster yet offered and the only one that is Wilt Resistant. The flowers are fully double with an attractive crest-like center of good substance and fine depth of petal. Pkt., 20c.

Heart of France

929 Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals show now a glow and sheen, now a soft warm velvety texture. 18 to 24 inches. ⅛ oz., 45c; pkt., 15c.

Palo Alto, California, January 24, 1944

Heart of France Aster is one of the most beautiful flowers I have ever grown. I had a great many of the plants blooming last year during the very hot summer and early fall months. Most of them were planted in the warmest part of my garden where they received the often blistering heat of the sun during the entire day. The beautiful ruby red of the blooms was absolutely unaffected by the heat, not fading at all, and some of the flowers, which I purposely did not pick, remained fresh and bright without the slightest sign of wilting for about four weeks.

Mrs. W. A. H.

Finest Giant Sorts Mixed

628 A Mixture of all Giant Varieties. It became very popular with our customers in our store before we catalogued it. Since we have included it in our list, it has become one of our best sellers. Large pkt., 25c.

WILT RESISTANT ASTERS—Continued

Queen of the Market (Early Flowering) 16 inches

The favorite early Aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit.

921 **Crimson.** 925 **Light Blue.** 925C **Rose.** 924 **White.**
922 **Flesh Pink.** 923 **Purple,** dark blue. 926 **Scarlet.**
Each of above, pkt., 15c; 3 pkts. for 40c.
928 **Mixed.** ⅛ oz., 35c; pkt., 15c.

Royal Early-Flowering Branching 2 ft.

This type fills a gap between the Queen of the Market and the Late-Flowering Branching Asters.

929A **Dark Lavender.** 930D **Scarlet.**
929B **Peachblossom.** 930A **Shell Pink.**
929C **Purple.** 930B **White.**
930 **Rose-Pink.** Each of the above, pkt., 15c; 3 pkts. for 40c.
930C **Mixed.** ⅛ oz., 35c; pkt; 15c.

949 **Single Chinese Rainbow Mixed.** Pkt., 25c. See Novelties.

Giant Non-Resistant Varieties

California Giants 2 ft.

California Giants combine the fluffy or feathered type of flower with the long, straight stems of the Beauty class. The large, double flowers with long, attractively curled petals, grow 5 in. and more in diameter, on stems 1½ to 2 ft. long.

594 **Appleblossom,** shell pink. 604 **Peachblossom,** opens white flushes lavender pink.
596 **Crimson.**
601 **Deep Rose.** 600 **White.**
602 **Dark Purple.**
603 **Light Blue.** Each of the above, Pkt., 15c; 3 pkts. for 40c.
610 **Mixed.** ⅛ oz., 40c; pkt., 15c.

Super-Giants, Largest of All

Largest and most fully double Asters, with flowers from 6 to 8 inches across, plants 2½ ft tall, with six to eight long stems. Early flowering.

943 **El Monte.** Like Los Angeles in size, and form, but of a deep glowing crimson. Blooms early and remains in flower for a long season. ⅛ oz., 50c; pkt., 20c.

942 **Los Angeles.** Pure shell pink, with huge flowers, but of charming form, with curling, interlaced petals, giving a feathery effect. ⅛ oz., 50c; pkt., 20c.

Vaughan's Excelsior Mixture of Tall Asters, All Types

990 A mixture of the most beautiful, tall-growing Asters, Wilt Resistant and Non-Resistant, including the varieties listed and others. ⅛ oz., 50c; large pkt., 25c; pkt., 15c.

687 **Giant California Sunshine. Finest Mixed.** ⅛ oz., 50c; pkt., 25c. See Novelty Pages.

576 **Extra Early Giant Crego Navy Blue.** All-America Honorable Mention, 1943. First of a new race of large flowered, early Asters, this is of that color rare in flowers, a true navy blue. Pkt., 15c.

ANNUALS FOR ROCK GARDENS FOR SUMMER COLOR

Culture: A or B, Page 58

4574 **Rock Garden Annuals, Vaughan's Special Mixture.** A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. ¼ oz., 50c; pkt., 25c.

943 **ASTER** Super Giant, El Monte. Pkt., 20c.

ASTER Vaughan's Wilt Resistant.

640 Collection 1 pkt., each of 6 seperate varieties as listed below 75c.

Giant Crego	Giant Branching
(1) 569 White	(4) 906 Purple
(2) 564 Lavender	(5) 905 Blue
(3) 565 Pink	(6) 903 Rose

Each per pkt., 15c and any 3 pkts., for 40c.

Anoda Mexican Cup ☐ 4 ft.

Culture: A or D, Page 58

3223 **The Opal Cup.** Luxuriantly growing plant bearing cup-shaped flowers 2¼ inches across, of changeable coloring, blue lavender in shadow, pink in sun. Flowers in five weeks from seed and continues until frost, forming bush a yard in circumference. Pkt., 25c.

ASPARAGUS— See Page 57.

Asclepias Curassavica

Culture: A, B, D or E, Page 58

473 The flower corolla is a brilliant orange scarlet; the hood, rich golden buff. Almost as showy are the buds, of a burnished coral. Makes a splendid pot plant, too, for any sunny window, being then in flower most of the year. Pkt., 25c.

ANGEL'S BREATH—See Gysophila Elegans Grand. Alba.

BABY'S BREATH—See Gypsophila Paniculata.

1131 **BELLIS.** Monstrosa Double Mixed. 15c.

Balloon Vine (Love in a Puff) ☐ =

Culture: D or E, Page 58

995 A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-pods resembling miniature balloons. Pkt., 10c.

English Daisy ① ☐

BELLIS PERENNIS (6 to 8 inches)

Culture: C, Page 58

Double Giant Daisies of robust habit. Remarkably fine effects are obtained when associated with Pansies or Forget-Me-Nots in beds or borders.

1119 **Monstrosa Alba.** Large white. Pkt., 15c.
1121 **—Red.** Pkt., 15c.
1123 **—Rosea.** Light rose. Pkt., 15c.
1131 **—Mixed.** Pkt., 15c.

Anchusa

Culture: A, B, D or E, Page 58

311 Blue Bird. □ **2 ft.** Compact habit and bearing its flowers in a luxuriant bouquet at the top of the plant. Flowers are of an intense blue with a distinct white eye. Blooms all summer. One of the best blue annuals. Try it with Cacalia. You will enjoy the blue of the Anchusa with the yellow and henna shades of the Cacalia. Pkt., 15c.

For others see Perennial Pages.

Arctotis (African-Daisy) □

Culture: A, B, D or E, Page 58

449 Breviscapa Aurantiaca. 6in. Deep shade of orange yellow with purple disk. A deep and most attractive shade. Pkt., 25c.

450 Grandis (Blue-Eyed African-Daisy). 3 ft. It forms bushes bearing 2 inch daisy flowers of pearly white with a gold band surrounding a delicate mauve center. It closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower. ¼ oz., 30c., pkt., 10c.

451 New Hybrids. 8-12 inches. A new race resembling the famous Gerberas, but much easier to grow in the garden. Flower 2½ to 3 inches; likes a dry, sunny location. Excellent as a border plant and fine for cutting. Pkt., 25c.

1087 **BEGONIA** Masterpiece. Pkt., **50c.**

Begonias

Fibrous-Rooted Ever-Blooming

Culture: B, C, D or E, Page 58

A continuous flowering class of greatest value for bedding; the flowers are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make decorative winter house plants.

Begonia seed is very fine. Open packets carefully over a sheet of white paper.

1071 Christmas Cheer Red. The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 25c

1072 Christmas Pink. Identical with above variety except the color is warm rose-pink. Pkt., 25c

1079 Gracilis Dwarf Luminosa. Extra dwarf scarlet. Pkt., 25c.

1081 —Prima Donna. Rich, clear pink with deep green foliage. Pkt., 25c.

1076 —White Pearl. Clear, glistening white. Pkt., 25c.

1084 Semperflorens Ile de France. The flower are 1¼ inches to 1½ inches, pure white, with bright yellow stamens. Foliage light green. Pkt., 35c.

1085 —King of the Reds. Dwarf glowing scarlet, foliage green edged bronze. Pkt., 25c.

1087 —Masterpiece. Large clear rose-pink flowers. Fairly cover the foliage. Pkt., 50c.

1090 Semperflorens Special Mixed. Finely balanced blend of full color range. Pkt., 25c.

The following varieties are strong, vigorous, branching early if pinched back.

1092 Vaughan's Rose Bud. Large rose colored flowers, green foliage.

1093 Vaughan's Snow Fairy. Pure satin white flowers, yellow stamens, green foliage.

1094 Vaughan's Sweet Heart. Rich dark crimson flowers, foliage dark green.

Each of above, 3 var. per pkt., 35c; or 3 pkts. for 90c.

311 **ANCHUSA** Blue Bird. Pkt., **15c.**

1138 **BELL OF IRELAND.** Pkt., **25c.**

Irish Green Bellflower □

Culture: D, E, A or B, Page 58

1138 Bell of Ireland. Graceful 2-foot branching stems are so surrounded by 2-inch flowers there is little room for leaves. The bell-shaped calyx of the flower is green and delicately veined, containing the white corolla. Both curious and beautiful. Pkt., 25c.

Columbus, Ohio, March 5, 1944

I must tell you how pleased my husband and I were with your seeds last year. At the local Garden & Flower Show we won prizes on many of our entries. The arrangements of Red Riding Hood Zinnia and Bell of Ireland took blue ribbons and brought much attention of judges and public alike. All summer long they held the eyes of all who came to our garden and the pleasure they gave us was immeasurable.

Mrs. C. C. L.

1161 **BROWALLIA** Sapphire. Pkt., **25c.**

Balsam (Lady Slipper) □

An old favorite producing double flowers clustered in the axils of the leaves on short stems. The plants like hot sun, rich soil and plenty of water.

1040 Double Rose and Camellia-flowered Mixed. ¼ oz., 25c; pkt., 10c.

1045 Vaughan's Invincible Balsams, Mixed. Includes the old-fashioned favorite with flowers up and down the stems. ⅛ oz., 25c; pkt., 10c.

BUSH BALSAM. We are unfortunately not able to offer this year, we hope to have it again in 1946.

Balsam Apple and Pear 10ft. □ =

Culture: A or B, Page 58

1008 Mixed. Ornamental and quick-growing climber. Excellent in covering unsightly places. Flowers are followed by ornamental fruits. Pkt., 10c.

Brachycome

(Swan River Daisy) □

Culture: A, B, D or E, Page 58

A free-flowering, dwarf-growing annual, 12 inches tall, covered during the greater part of the summer with a profusion of dainty flowers which resemble small Cinerarias, suitable for edgings, small beds or pot culture.

1146 Mixed. All colors. ⅛ oz., 25c; pkt., 10c.

1146 **BRACHYCOME** Mixed. Pkt., **10c.**

Bartonia (Blazing Star) □ 2 ft.

Culture: A, Page 58

1070 Aurea. Showy golden-yellow flowers above its gray and downy thistle-like foliage, exceedingly brilliant in the sunshine. Sow where it is to remain, as it does not bear transplanting. Pkt., 10c.

Showy Butter Daisies

Culture: A or B, Page 58

1168 Verbesina Encelioides. □ 40 in. A showy easily grown annual bearing 1½ inch flowers continuously throughout the summer. Good cut flower or border annual. Pkt. 15c.

Browallia □

Culture: A or B, Page 58

Profusely blooming bedding plant, covered during summer and autumn with flowers of a rare shade of intense blue, grows freely in any rich soil; blooms well in the winter if lifted and cut back. In the garden they grow with 12 inch stems and make fine cut flowers.

1157 Blue. Pkt., 10c.

1156 White. Pkt., 10c.

1160 Mixed. Blue and white. Pkt., 10c.

1161 Sapphire. Flowers of intense blue, white eye, like large lobelia. Pkt., 25c.

Grow Cacti from Seed

Culture: C, D or E, Page 58

Growing Cacti from seed is easy and interesting, each miniature plant being perfect. The seeds germinate irregularly over a period of 14 to 40 days.

1251 Cacti. All kinds and forms mixed. Pkt. (50 seeds), 25c; 5 pkts. for $1.00.

BLACK-EYED SUSAN See Rudbeckia (Perennial seeds) and Thunbergia (annual seeds).

Giant Calendulas

Culture. A, B, D or E, Page 58

Calendula is one of the best annuals for the garden or greenhouse, being equally at home in either place. Vast improvements in size, shape and color of late years have changed the original "Pot Marigold Cinderella" into a Royal Princess. Keep the flowers cut for continuous blooming.

During warm weather the flowers may single out but will return to full doubles when the weather turns cool. Make a late sowing in early July for flowers in cool weather; they stand heavy frosts, and are last to die.

1198 Apricot. A flat petaled variety of a bright apricot shade, deepening towards the center. Pkt., 10c.

1194 Ball Gold. Extra long stemmed, large deep golden yellow. Pkt., 15c.

1194A Ball Lemon Queen. Deep lemon yellow with attractive brown eye. Pkt., 15c.

1191 Ball Orange. It has fine stems and immense double flowers of a brilliant glistening orange. Pkt., 15c.

1200 Campfire (Sensation). Flowers grow 4 inches wide, completely double, are of a deep orange. It grows vigorously with exceptionally strong, heavy stems. Especially selected stock. ⅛ oz., 50c; pkt., 15c.

1187 Glowing Gold. 2½ ft. Vivid color, coming between gold and orange which does not fade. Flowers are fully double, 4 in. across, with loose and fluffy petals that give the appearance of a golden ball. Long, wiry stems. Pkt., 25c.

1192 Masterpiece. Extra long-stemmed deep orange with brown center. Pkt., 15c.

1197 Moonlight. A beautiful soft cream yellow, with petals of the Chrysanthemum type, nearest approach to white of all Calendulas. The soft pale yellow harmonizes with anything, especially with the blue of the Centaurea. Pkt., 15c.

1197A Orange Beauty. 2 ft. Blooms are 3½ in. and more across of curved loose petal formation on long stems. The color is bright, deep orange slightly suffused with yellow at the base of the florets. Pkt., 25c.

1188 Orange Fluffy. 2 ft. Bright orange-yellow, intensified by a jet-black eye. Flowers 3½ inches, semi-double, with petals increasingly erect towards the center. Flowers profusely on long, strong stems. Pkt., 25c.

1190 Orange King. 18 in. Outer petals are slightly imbricated, while the centers are incurved. A glowing orange. Pkt., 10c.

1203 Orange Shaggy. 18 in. Long fringed petals overlapping form a flower resembling some Chrysanthemums. Deep orange turning lighter at the center gives a two-tone effect. Long stems. Pkt., 10c.

1200B Yellow Colossal. 18 in. Most profuse blooming of all, bearing 4½-inch fully double flowers of a clear, bright yellow. Pkt., 10c.

1189 Yellow Sunshine. Large, double flowers on long, stout stems, petals broad and drooping, giving the flower a globular form. A pleasing buttercup-yellow color, free from Calendula odor. Pkt., 10c.

1202 Pastel Bedding Mixture. A balanced selection of dwarf varieties, in light apricot, salmon, orange, lemon and cream. Pkt., 10c.

1205 Mixed, all colors. For woodlands and perennial borders. ¼ oz., 20c; pkt., 10c.

1206 CALENDULA Vaughan's Special Mixture. Besides listed varieties, this mixture includes many others, giving a delightful collection for cut flower use or exhibition. ¼ oz., 50c; pkt **15c**

1200 **CALENDULA** Campfire (Sensation). Pkt., **15c.**

1170 **CACALIA** (Tassel Flower.) Pkt., **10c.**

Cacalia (Tassel Flower) 2 ft.

Culture: A only, Page 58

This "perky" little annual blooms in a few weeks from seed. The flowers of scarlet or gold on branching stems look exactly as the name indicates, fluffy tassels, less than half an inch in diameter. Blooms until heavy frost. Try these in a copper bowl with the Castor Bean (Ricinus) seed pods and leaves for a lovely effect.

1170 Mixed. Scarlet and yellow. Pkt., 10c.

1287 **CANDYTUFT** Umbellata Mixed. Pkt., **10c.**

Gay Calliopsis Clan

Culture: A, Page 58

The annual Coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. They are thrifty, vigorous, bloom throughout the summer and often self seed.

1211 Crimson King. This is a tall variety with rich dark crimson flowers. Pkt., 10c.

1220 Golden Crown. A rich orange-yellow. It has a pleasing fragrance and is nice for cutting, with 12-inch wiry stems. Pkt., 10c.

1235 Dwarf Varieties, Mixed. Valuable for small mixed beds and borders. Pkt., 10c.

1221 Tall All-Double Mixed. 3 ft. The best strain of double flowering Calliopsis. Flowers are semi-double and double, 1 to 1½ inches across. Our mixture contains all colors. Pkt., 15c.

1245 CALLIOPSIS Vaughan's Special Mixture. It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. ¼ oz., 30c; pkt **10c**

CARDINAL FLOWER—See Lobelia Cardinalis in Perennial pages.

Candytuft (Iberis)

Culture: A, B, D or E, Page 58

Successive plantings give flowers all summer. May be sown late in Fall in Tulip beds.

1260 Giant Hyacinth-Flowered White 1 ft. Large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. ¼ oz., 40c; pkt., 10c.

Umbellata 1 ft. Flowers in umbrella form.

1275 Alba. White.
1276 Carmine.
1279 Crimson.
1277 Flesh.
1282 Rose Pink.
1287 Mixed. ¼ oz., 30.

1286 Lilac. Each of the above, pkt., 10c; 3 pkts. for 25c.

1290 Dwarf Hybrids Mixed. 6 in. Compact plants covered with large flowers, rose, salmon, coral-pink to lilac and purple-crimson. ¼ oz., 25c; pkt., 10c.

1291 Dwarf White.
1293 Dwarf Rose.
1294 Dwarf Crimson. A rich reddish purple.
1295 Dwarf Lilac.

Each of above, pkt., 10c; 3 pkts., 25c.

1289 Little Prince. 6 in. Immense spikes of snow-white flowers, borne in great profusion on dwarf sturdy plants. Pkt., 10c.

1260 **CANDYTUFT** Giant Hyacinth-Flowered White. Pkt., **10c.**

CHINESE BELL FLOWER—See Platycodon.

1390 **CARNATION** Vaughan's Special Mixture (100 Seeds), **25c.**

1320 **CARDINAL CLIMBER.** Pkt., **10c.**

Cardinal Climber □ = *25 ft.*

Culture: A or B, D or E, Page 58

1320 This is a very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like laciniated foliage and literally covered with a blaze of fiery cardinal-red flowers from midsummer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. The vines are a favorite playground of dainty humming birds. Pkt., 10c; 3 pkts., for 25c.

CHILEAN BELLFLOWER—See Nolana.

CHIMNEY BELLFLOWER—See Campanula Pyramidalis.

Giant Carnations □

Culture: A or B, D or E, Page 58

Who doesn't love the spicy odor of the Carnation? Its beautiful blossoms may be grown from seed if sown inside and transplanted outside by the end of May. Plants lifted in fall, cut back will bloom again indoors.

1390 CARNATION Vaughan's Special Mixture. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. Pkt. (100 seeds)..... **25c**

Giant Enfant de Nice Carnations. They are of compact growth with extremely stiff stems bearing flowers 2¼ to 2¾ inches without disbudding. The colors come about 75% true from seeds and give about 90% of plants with double flowers.

1325 White. **1327 Rose.**
1326 Salmon. **1328 Red.**
1329 Mixed from varieties noted above.
Each of above, pkt. (100 seeds), 35c.

Improved Early Flowering Perpetual. Plants bloom in five months and continue all summer. The flowers are very double, clove scented of large size, on stiff stems 15 to 18 inches high. Our strain will produce 90% double flowers and true color.

1336 White. **1340 Scarlet.**
1337 Yellow. **1341 Maroon.**
1338 Rose Pink. **1342 Salmon Rose.**
1339 Flesh Pink. **1343 Mixed all colors.**
Each of the above, pkt., 25c; any 3 pkts. for 65c.

1350 Giant Margaret Mixed. Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt. 15c.

See Novelties and Perennials.

Celosia (Cockscomb) □

Culture: A, B, D or E, Page 58

THE name Cockscomb is derived from the resemblance of the flower heads of the crested type to a cocks comb in form, though in texture they are like plush or chenille. The crested type thrive in light soil. Easily dried for winter use.

Crested Dwarf Sorts 8 to 10 in.

1410 President Thiers. Fine dwarf habit with bronzy foliage and large, velvety crimson combs.
1415 Empress. Blood-red combs and brown foliage
1420 Aurea. Golden yellow combs.
1421 Rose. **1430 Dwarf Mixed.**
Each of above, pkt., 15c.

Crested Tall Sorts 18 to 24 in.

1432 Crimson. Pkt., 15c.
1435 Tall Mixed. Pkt., 10c.

Ostrich Plume Sorts

They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft.

1440 Aurea. Orange. **1447 Scarlet.**
1445 Coccinea. Crimson. **1450 Mixed.**
Each of above, pkt., 10c.

1455 Thompsoni Magnifica. Mixed. 2-3 ft. A choice strain of the Ostrich Plume Celosias. Pkt., 10c.
1475 Dwarf Ostrich Plume Varieties Mixed. 15 in. Good for pots and beds. Pkt., 25c.
1472 Royal Velvet. 2 ft. Produces center and numerous long-stemmed plumy heads of richest crimson, on basal branches. Foliage bronzy green with reddish margins. Pkt. 25c.
1463 Flame of Fire. 18-20 in. Perfect pyramidal habit with center head and many side branches of a lush green. The branches terminate in circular feathery combs of fiery scarlet. Pkt., 25c.

Other Celosias

1465 Chinese Woolflower, Crimson. Grows 2 to 3 feet high with many branches terminating in a flower head resembling a ball of scarlet wool.
1466 Chinese Woolflower Deep Rose.
1467 Chinese Woolflower Yellow.
1468 Chinese Woolflower Mixed.
Each of above Chinese Woolflower, per pkt., 15c; 2 for 25c.
1454 Miracle Cockscomb Mixed. Grows 2-3 ft. tall without branches terminated with enormous Cockscombs. September until frost. Pkt., 25c.

CELOSIAS—Continued.

1456 Parrot's Feather. The stocky, branched plant bears terminal flower heads of fantastic shapes and varied coloring including silvery pink and salmon, red, maroon, yellow and orange. Pkt., 10c.
1460 Pride of Castle Gould. Compact pyramidal plants produce immense flower heads, resembling willow plumes in many shades. Pkt., 25c.
1470 Spicata. 3 feet. Round, pointed bloom, 3 to 4 inches in length. At first a soft bright rose, changing to silver-white. Pkt., 15c.

Lilliput

The plants attain the height of 12 inches, consisting of 15 to 20 branches of even length all terminated by brilliant feathery cockscombs.

1476 Fire Feather. Red. Pkt., 25c.
1477 Golden Feather. Yellow. Pkt., 25c.

See also Novelties.

1463 **CELOSIA** Flame of Fire. Pkt., **25c.**

1472 **CELOSIA** Royal Velvet. Pkt., **25c.**

Annual Canterbury Bells □

Culture: D or E, Page 58

Annual varieties of this splendid flower family bloom in about six months from seed, growing to 2½ ft., and bearing six to eight spikes of bloom. A splendid late summer border flower.

1305 Mixed. Contains all the colors so far developed of the annual strain including dark and light blue, pink, rose and white. Pkt., 10c.

Cheiranthus □

Culture: A or C, Page 58

A hardy perennial which blossoms the first year from seed. Sow in late summer, autumn or spring

1607 Allioni (Siberian Wallflower). 1 ft. Dazzling fiery orange flowers, on stems about a foot high. Blooms from seed the first year. Pkt., 10c.
1608 Golden Bedder. Fragrant golden yellow flowers, larger than Allioni, are borne for a long season, if faded blossoms are kept picked. Pkt., 15c.

The Popular Centaureas

1570 **CENTAUREA** Imperialis Mixed. (Sweet Sultan). Pkt., **10c.**

Giant Sweet Sultans

Imperialis 2½ ft.

Finest of all Sweet Sultans for cut flower purposes. The beautiful, artistic shaped flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition. They have a soft fragrance and add beauty to the garden picture.

1545 Delicate Lilac. **1565 Deep Lavender.**
1560 Purple Crimson. **1540 White.**
1550 Brilliant Rose.

Each of the above, pkt., 10c; 3 pkts. for 25c.

1570 Imperialis, Mixed. ¼ oz., 25c; pkt., 10c.

White Leaved (Dusty Millers)

Culture: A, B, D or E, Page 58

All gardens need a few plants with gray foliage to tone down the brilliant colors. Sow early.

1595 Candidissima. 10 in. Thick silvery white leaves. Should be sown early. Pkt., 15c.

1600 Gymnocarpa. 1½ to 2 ft. Foliage finely cut of silvery gray color. Pkt., 10c.

Various Centaureas

1480 Americana (Basket Flower). 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy lavender color. Pkt., 10c.

1485 Americana Alba (Star Thistle). 2½ ft. Immense heads of double fluffy blooms, almost pure white. Pkt., 10c.

1580 Suaveolens. 2 ft. (Yellow Sweet Sultan or Grecian Cornflower.) Very showy, large, bright yellow flowers sweetly scented and a popular sort for cutting; lasting well. Pkt., 10c.

1590 VAUGHAN'S SPECIAL MIXTURE OF CENTAUREAS. Includes all the annual Centaureas, and a packet will produce cut flowers all summer. ¼ oz., 25c; pkt., 10c.

For other varieties, see Perennial Pages.

1731 CINERARIA Maritima Candidissima. 1½ ft. is also known as Dusty Miller. Pkt., 10c.

CENTRANTHUS — See Valeriana.

CHINESE FORGET-ME-NOT— See Cynoglossum Amabile.

CHINESE LANTERN PLANT—See Physalis Franchetti.

CHINESE MONEY PLANT—See Lunaria.

CHINESE WOOLFLOWER—See Celosia Childsii.

Culture: A, B, D or E, Page 58

Bachelor Buttons ☐

Centaurea Cyanus Super Double

A perfected strain of this popular hardy annual, which every one can grow in any garden soil. They have larger flowers, more double, with more vivid coloring and long, wiry stems, making fine cut flowers. If the faded flowers are kept cut, the plants will blossom continuously throughout the summer.

1505 Black Boy. Blackish maroon.

1506 Blue Boy. The true cornflower blue.

1507 Pinkie. Lovely true pink.

1508 Red Boy. Deep glowing red.

1509 Snowman. Pure white.

Each of above, ¼ oz., 30c; pkt., 15c; any 2 pkts. for 25c.

1522 Vaughan's Special Super Double Mixed. ¼ oz., 25c; ½ oz., 40c, pkt., 15c.

1504 Jubilee Gem. A dwarf variety, making a compact plant covered with double dark blue flowers. Foliage forms a tufted mass of bright green. 12 inches in height. ¼ oz., 50c; pkt., 15c.

1507 **CENTAUREA** Cyanus Pinkie. Pkt., **15c.**

"The Victory Flower Garden"

Culture: A, B, C or D, Page 58

1517 Centaurea Cyanus Super Double. Red, White and Blue Mixed.

☐ Everyone will want flowers in our national colors this year. Here in a balanced mixture are giant Bachelor Buttons, Blue Boy, Snowman and Red Boy which most nearly approximate the hues of Old Glory. In the garden, in arrangements, and for men's buttonholes, they give just the right patriotic accent. Oz., $1.00; ¼ oz., 30c; pkt., 15c.

1506 Blue Boy.
1509 Snowman.
1508 Red Boy.

Each of the above, ¼ oz., 30c; pkt., 15c; 3 pkts., 40c.

Coix ☐ 2 to 4 ft.

Culture: A or B, Page 58

1850 Lachrymae (Job's Tears). This tender perennial is easy to grow and will mature its beautiful "beads," even in the North, if planted in the open ground in late May and given the same treatment as corn.

The seeds, when gathered and dried, are a silver-gray and the sprays, leaves and all, are often dried for use in the winter vase. Owing to shortage of metal during the war, these seeds have also been used in making rosaries. Oz., 50c; pkt., 10c.

Cypress Vine ☐ = 10 ft.

Culture: A, B, D or E, Page 58

A graceful, twining annual climber with fernlike foliage and star-shaped blossoms. Sow in May, first soaking seeds in warm water.

2040 Mixed. Scarlet and white. Pkt., 10c.

Daisy Corner for Your Garden

2050 Vaughan's Mixture of Annual Daisies. These simple flowers have a charm of their own. We have a mixture of the most popular sorts. They will add a definite touch to your garden besides good cutting material for the home. Pkt., 25c.

1850 **COIX** Lachrymae (Job's Tears.) Pkt., **10c.**

1700 **CHRYSANTHEMUM** Vaughan's Special Single and Double Annual Mixed. Pkt., **10c.**

Special Mixture of Annuals for Cut Flowers

Culture: A or B, Page 58

No. 1400 The forty or more varieties in this blend are chosen for their value as cut flowers. They are the long stemmed brightly colored flowers that go so well in vases and baskets. This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged, as the more one cuts the more one has, the secret being not to allow any seed pods to form. ¼ lb., $1.50; oz., 50c; ½ oz., 30c; pkt., 15c.

1790 **CLARKIA** Vaughan's Special Mixture. Pkt., **10c.**

Double Clarkia □ 2 ft.

Culture: A, B, D or E, Page 58

The lovely Clarkias are effective in the garden or as cut flowers in the home. Great spikes of double and semi-double flowers in the daintiest colors are produced from the poorest soil. Plant in shade. If the roots are confined by growing in small pots, they will bloom earlier.

1735 Albatross. Pure white of upright growth.
1743 Brilliant. Bright carmine.
1749 Firebrand. Brilliant scarlet.
1746 Illumination. Orange mingled with rose.
1750 La France. A wonderful salmon pink.
1747 May Blossom. Pure glowing rose.
1751 Purple Prince. Rosy purple.
1755 Queen Mary. Bright carmine.
1761 Salmonea Perfecta. True salmon.
1762 Scarlet Queen. Glowing scarlet.
Each of above, pkt., 10c; any 3 pkts. for 25c.

1790 Vaughan's Special Mixture. Made up especially from the above named varieties: ⅛ oz., 25c; pkt., 10c.

Chrysanthemums □

ANNUAL SUMMER "MUMS" OR PAINTED DAISIES

Single Flowering Varieties 20 in.

Culture: A, B, D or E, Page 58

Of the easiest culture; flower profusely during the summer and fall. They are showy in the garden and fine for cutting. They have a colored zone or halo around a dark eye with the main part of the flower a contrasting shade. Prefer heavy soil. All types should be pinched back to encourage branching.

1655 Vaughan's Special Single Mixed. Showy flowers of bright colors. Pkt., 10c.

1617 Goldwings. 36 in. Large daisy flowers with long feathery petals of gleaming yellow. A mass of flowers all season. Pkt., 25c.

Double Flowering Varieties 2 ft.

1695 Vaughan's Special Mixture of Double Chrysanthemums. Pkt., 10c.

1700 Vaughan's Special Mixture. Single and Double sorts in finest mixture, including many varieties not catalogued. Pkt., 10c.

See Novelty Pages for Korean Hybrids.

1820 **COBAEA** Scandens. Pkt., **10c.**

Cobaea (Cathedral Bells)

Culture: A, B, D or E, Page 58 □ = 30 ft.

1820 Scandens. One of the handsomest rapid growing climbers. The bell-shaped flowers turn lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer. ¼ oz., 50c; pkt., 10c.

Cosmidium Orange Crown □ 2 ft.

Culture: D or E, Page 58

1930 The flowers are golden yellow with a broad circle of a rich orange around the center disc. Bloom all summer. Pkt., 10c.

Coleus □ 2 ft.

Culture: D or E, Page 58

Very handsome and decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color. Also good house plants.

1855 Vaughan's Rainbow Mixture. The handsomest foliage plant obtained from seed. The leaves are very large and their color combinations are remarkably rich. Pkt., 35c.

1864 Glory. A mixture of bronze, pink, apricot, cream, etc. A remarkably fine strain; unequaled for the beautiful form and coloring of its large leaves. Pkt. 50c.

1855 **COLEUS** Vaughan's Rainbow Mixed. Pkt., **35c.**

Cuphea, Firecracker Plant □

Culture: A or B, Page 58

1998A Avalon Hybrids. Compact plants seeming to be covered with fluttering, bright-hued butterflies. In lavender, lilac, pure pink, rose-purple, crimson, fire-scarlet and vermilion. Pkt., 25c.

1999 Firefly. 10 inches. A colorful border or edging plant, dwarf, compact, neat in habit, and showy. Small, delicate butterfly-like flowers of fiery red are freely produced. Flowers in 12 to 14 weeks from seed and blooms continuously. Pkt., 25c.

1999 **CUPHEA** Firefly. Pkt., **25c.**

Cosmos from July to Frost □

Culture: A, B, D or E, Page 58

Plants of graceful beauty, fine feathery foliage and large flowers. While the early varieties begin blooming in July, the Cosmos reaches the height of its beauty in the autumn. The new giant early varieties are wonderful cut flowers, holding in good condition for 10 days after cutting. We list only the early flowering varieties, as the late varieties are so apt to be taken by early frosts. Try the effect of Cosmos Sensation Pink with White Nicotiana Affinis in a low bowl for a lovely fairy-like combination.

Kensington, Conn., Aug. 12, 1944

I want to tell you how wonderful the Cosmos seeds were I bought of you. I never had such big ones and such quantities. P. M. B.

COSMOS Sensation, New Giant Early Strain

Early flowering blooming in about 12 weeks from sowing. The flowers are very large, 4 to 5 inches across, with heavy fluted petals. Height about 4 feet. By disbudding, enormous flowers can be obtained.

1964 Dazzler. Very rich, deep amaranth crimson.
1968 Pink. A delightful rose-pink selection.
1967 Purity. A white with satin sheen.
1966 Sensation Special Mixed.

Each of the above, large pkt., 25c; 3 pkts. for 65c.

Single Early Flowering Mammoth 3 ft.

1935 White. **1945 Crimson.** **1940 Pink.**

Each of the above, pkt., 10c; 3 pkts. for 25c.

1950 Early Flowering Mammoth Mixed, all colors. ¼ oz., 20c; pkt., 10c.

Double Early Flowering 3 ft.

Forms a perfect bush, massed with bloom, bearing beautiful flowers of good size, on long stems, about 65 per cent coming double.

1990 Pink. **1991 White.** **1992 Crimson.**

Each of the above, pkt., 25c; 3 pkts. for 65c.

1994 Mixed. Above 3 colors. ⅛ oz., 40c; pkt., 25c.

1968 **COSMOS** Sensation. Pink. Pkt., **25c.**

1979 **COSMOS** Orange Flare. Pkt., **15c.**

1994 **COSMOS** Double Mixed. Pkt., **25c.**

1964 **COSMOS** Sensation Dazzler. Pkt., **25c.**

1979 Orange Flare. Well-branched plants, 3 ft. tall, covered with showy golden orange, flowers in about 3 months from seed, and blooms with increasing freedom until killing frost. Sow outdoors when soil is warm, or indoors with bottom heat of 70 degrees. Give full sun. Does not need staking. Pkt., 15c.

1980 Yellow Flare. Bright clear yellow. The single flowers are about 2½ in. across, produced in great masses on 3 ft. plants. Delightful when used in flower arrangements. Pkt., 25c.

1982 Semi-Double Orange Ruffles. Vivid golden orange, the two or three extra rows of petals lend an airy butterfly-like beauty to the richly colored blossoms. Extremely free blooming, flower 10 days to 2 weeks before Orange Flare and remain in flower six weeks. Pkt., 25c.

1954 Miniature Golden (Bidens Humilis). 18 in. The rich, yellow, star-like flowers are very attractive on the deep olive green finely cut foliage. They form neat and compact bushes and bloom very freely. Excellent cut flower or edging plant. Pkt., 10c

Datura (Angel's Trumpet) □ 3 ft.

Culture: A, B, D or E, Page 58

Handsome subtropical plants for summer bedding, having large trumpet-shaped fragrant flowers. Seed must be planted indoors early to bloom in September. They should be given a light soil and sun.

2110 Double White Pkt., 10c.

2015 **CYNOGLOSSUM** Blue Bird. Pkt., **10c.**

CLEOME PUNGENS — Pink Queen. See Novelties.

Cynoglossum □ 18 to 24 in.

Culture: A, B, D or E, Page 58

2015 Amabile, Blue Bird Chinese Forget-Me-Not. Produces long sprays of brilliant blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. ⅛ oz., 25c; pkt., 10c.

2017 —Pink. Similar to the above but having lovely bright pink blooms. Pkt., 15c.

2018 —Fairy Blue. 2 ft. Flowers of bright Cambridge or sky blue tone. Pkt., 15c.

2020 Firmament. It is dwarf, free-blooming over a long season: flowers a bright indigo blue. It is to be recommended for growing in dry, even poor soil. 1½ ft. Pkt., 10c.

Echium □ 12 to 18 in.

Culture: A or B, Page 58

2358 Blue Bedder. Deep bright blue bell flowers in compact bushy plant. Flowers freely in hot, dry weather all season long. Pkt., 15c.

2086 **DAHLIA** Unwin's Dwarf Hybrids. Pkt., **25c.**

Dahlias from Seed in 60 Days

2086 UNWIN'S DWARF HYBRIDS. This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, red, orange, yellow and maroon. They are as easily grown from seed as zinnias, and blossom in sixty days from seed sown in the garden row. Sow after the ground warms up and danger of frost is over, and give each plant at least one foot in the row. They give a striking effect in the border and are unsurpassed as cut flowers. They flower until frost kills the plants and produce tubers which can be saved. Pinched back, they make fine pot plants. ¼ oz., $1.00; ⅛ oz., 60c; pkt... **25c**

Grow Giant Dahlias from Seed □

Culture: D or E, A or B, Page 58

It is easy, most interesting and fascinating to grow Dahlias from seed and enjoy the surprise of new colors and forms. If the seed is started early, plants will bloom the same season. Sow in a shallow box or pan in March or early April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant in the garden.

2090 **DAHLIA** Vaughan's Special Mixture. Pkt., **35c.**

2090 DAHLIA Vaughan's Special Mixture. This mixture contains seed from the best collections in America and embraces all the various strains of double-flowering Dahlias, such as Show, and Cactus varieties, also the single flowering sorts. Pkt., (60 seeds) **35c**

2087 Unwin's Ideal Bedding Mixed. The flower petals are nearly all twisted. Double and semi-double in many charming colors, excellent for cutting. Pkt., 25c.

2091 Zulu Strain. Dark bronzy leaved plants of the Unwin type, with semi-double flowers of crimson and scarlet Pkt. (50 seeds), 35c.

Double Dahlias

2080 Double Best Mixed. 3 ft. Saved from show and fancy sorts. Pkt., 25c.

2075 Double Cactus Flowered Mixed. 3 ft. With twisted and curled petals. From a specialist's collection including unusual colors. Pkt., (60 seeds), 25c.

2081 Selecta Extra Double Giant Flowered. A most beautiful mixture of the very best new double dahlias, with flowers on stiff, erect stems. There is nothing better. Dahlias will bloom the first year from seed. Pkt. (50 seeds), 50c.

2083 Salbach Choice Mixed. 4 ft. If you want giant show flowers try this. 25 seeds, 35c; 100 seeds, $1.00.

2084 Salbach Selected Mixed. 4 ft. 25 seeds, 75c; 100 seeds, $2.50.

Single Flowering

2056 Coltness Hybrids. 18 in. Habit neat and compact, blooms from July until frost. The flowers have either flat or slightly fluted petals, nearly all 3 in in diameter. Pkt., 25c.

2057 Coltness Gem. 18 in. Bright scarlet, varies. Pkt., 25c.

2058 Coltness Yellow. 18 in. Good clear yellow. Pkt., 25c.

2060 Coltness White Gem. The best selection of white. Pkt., 25c.

Any three packets of Coltness for 60c.

2065 Giant Perfection Mixed. 4 ft. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. Pkt., 10c.

Dolichos □ = 10 ft.

Culture: A, B, D or E, Page 58

If you have a wire fence which you want covered, we know of no plant more decorative than this. The flowers stand upright like Hyacinth flowers and are followed by attractive seed pods.

2330 Princess Helen (Daylight). Snow-white flowers, silvery seed pods. Pkt., 10c.

2335 Purple Soudan (Darkness). Rose-violet flowers, ruby-purple seed pods. Pkt., 10c.

2340 Mixed. Pkt., 10c.

2345 Lignosus (Australian Pea Vine). A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c.

DIGITALIS (Foxglove)—See Perennial Pages.

2325 **DIMORPHOTHECA** Aurantiaca Hybrids. Pkt., **10c.**

Golden African Daisy

DIMORPHOTHECA □

Culture: A, B, D or E, Page 58

Showy annuals from South Africa, about 1 ft. tall with gorgeous, Daisy-like blooms during summer and fall. Easy culture in well-drained soil, sunny exposure

2320 Aurantiaca. 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc

2322 —Salmon Beauty. Soft salmon pink.

2325 —Hybrids. They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose.

Each of the above, pkt., 10c.

2326 Ecklonis. 3 ft. White 3 inch. blossoms of velvety texture marked with a rich blue or purple eye; are produced on bushes with branching stems from August, surviving light frosts. Pkt., 15c.

2318 Glistening White—See Novelty Pages. 25c.

Everlastings—Annual

For Winter Bouquets

Culture: A, B, D or E, Page 58

2440 Everlastings Mixed. 1 to 2 ft. A mixture of all varieties we list. Pkt., 15c.

2310 **DIDISCUS** Lavender Lace Flower. **10c.**

Didiscus □ 3 ft.

Culture: A, B, D or E, Page 58

2310 Coeruleus (Lavender Lace Flower). Charming blue annual, with dainty lavender and blue flowers which resemble Queen Anne's Lace of our roadsides. Excellent cut flower. ⅛ oz., 25c. Pkt., 10c.

2415 **ESCHOLTZIA** Vaughan's Special Mixture. Pkt., **10c.**

2301 **DIANTHUS** Vaughan's Special Mixture of Single and Double. Pkt., **20c.**

California Poppy

ESCHOLTZIA ☐ 12 in.

Culture: A, B, D or E, Page 58

Dainty free flowering plants of easiest culture with gaily colored Poppy-like flowers with a satiny finish Plants of low spreading growth with finely cut silvery foliage. Do well in any well drained, loose soil and sunny position. Blooms early and continues until frost.

Dwarf Erect Varieties 1 ft. (Californica).

2396 Ramona. Frilled edges give it the appearance of a semi-double. Golden-bronze within and coppery-rose outside.

2414 Ramona Hybrids, Finest Mixed. The flowers are beautifully frilled and fluted, the petals incurving to form a flower which appears to be double. The plants are dwarf.

2399 Tango. Bronzy red overlaid terra cotta.

Spreading Varieties 1 ft. (Californica).

2385 Golden West. Bright yellow, orange center.

2387 Mandarin. Inside orange, outside scarlet.

2398 The Geisha. Brilliant gold inside, orange-crimson outside, fluted.

2405 Vesuvius. Rich wallflower red.

Each of the above, pkt., 10c; 3 pkts. for 25c

2389 Monarch Art Shades. A compact strain of large-flowering California Poppies in mixture distinct from other types. Flowers are semi-double, the colors ranging through light rose to deep rose and carmine, and from deep golden yellow to orange and scarlet. Pkt., 10c.

2415 Vaughan's Special Mixture. This mixture includes all the varieties here catalogued and is the most complete mixture of these charming annuals in existence. ⅛ oz., 30c; pkt., 10c.

2435 **EUPHORBIA** Variegata (Snow on the Mountain). Pkt., **10c.**

Euphorbia ☐ 2 ft.

Culture: A, B, D or E, Page 58

2430 Annual Poinsettia, or Mexican Fire Plant. Resembling in habit and color the beautiful hot-house Poinsettia. About mid-summer the center top leaves of each branch turn orange-scarlet. Pkt., 10c

2435 Variegata (Snow on the Mountain or Mountain Spurge). 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. ¼ oz., 25c; pkt., 10c.

Brilliant Annual Pinks

DIANTHUS 1 ft.

Culture: A or B, D or E, Page 58

A magnificent family producing their gay, sweet scented flowers in great profusion. They embrace a great variety of forms and come in a remarkably wide range of beautiful and rich color combinations.

2301 Vaughan's Special Mixture of Double and Single Pinks. This magnificent mixture contains the cream of the annual pinks, both single and double. ⅛ oz., 30c; pkt., 20c.

2251 Double Sweet Wivelsfield. The original single was a cross of the Dianthus Allwoodi and Sweet William. This has the same characteristics only the flowers are double. Brilliant colors, some with honey fragrance. Pkt., 25c.

2250 Single Sweet Wivelsfield, Mixed Colors. A cross of Dianthus Plumarius and Sweet William blooming the first year from seed. The flower heads resemble Sweet William in an almost unbelievable range of colors. Pkt., 15c.

2237 Heddewigii Chabaud Hybrid, Salmon Shades. The plants branch from the base and throw up sturdy stems 12 to 16 inches high, crowned by large double flowers 2½ to 5 inches across in various beautiful shades of salmon. Pkt., 20c.

Double Flowering

2257 Chinese Double Mixed. Handsome clusters of very double flowers; many bright colors. ¼ oz., 25c; pkt., 10c.

2258 Heddewigii Double Mixed. A fine mixture of colors, varying from the richest crimson to delicate rose.

2298 Diadem Double Mixed.

2290 Fireball. Large, rich, blood-red.

2280 Lucifer. Orange.

2295 Rosalind. Rose.

2239 Salmon King. Pink.

2293 Snowdrift. Giant, fringed white flowers.

Each of the above, pkt., 10c; any 3 for 25c.

Single Flowering

2236 Heddewigii Large Flowered Single Pinks. Flowers 2 to 3 inches in diameter, borne profusely. Colors include pink, rose and white, and many marked with rose and red centers.

2238 Crimson Bell. Dark red.

2240 Laciniatus Splendens. Flowers of brilliant crimson, over 2 inches across, with fringed petals, have a boldly contrasting white center.

2196 Salmon Queen. Salmon scarlet.

Each of the above, pkt., 10c; any 3 for 25c.

2245 Vaughan's Special Mixture, Single Pinks. The flowers are extraordinarily large and embrace colors ranging from white to pink and deep crimson. ⅛ oz., 30c; pkt., 10c.

2300 **DIANTHUS** Vaughan's Special Mixture of Double Pinks. Pkt., **10c.**

2300 DIANTHUS Vaughan's Special Mixture of Double Pinks. Selection of the best double pinks in cultivation, ranging in color through all the most brilliant shades. ⅛ oz., 30c; pkt., 10c.

Gomphrena (Globe Amaranth)

Culture: A, B, D or E, Page 58. 18 in. ☐

A showy annual everlasting with clover-like heads.

2525 Mixed, all colors. Pkt., 10c.

Flowering Kale

2458 Flowering Kale. Although belonging to the Cabbage or Kale family, this Flowering Kale is entirely different as to its appearance. In young stage its leaves are green just like ordinary Kale, but in autumn as the season advances remarkably beautiful colors begin to appear and paint whole plant self colors or mixed colors. The colors range from white, cream, pink, rose, magenta, etc., on dark green ground. As the plants grow, the colors become more brilliant. Pkt., 25c.

2532 **GILIA** Capitata. Pkt., **10c.**

Blue Gilia □

Culture: A, B, D or E, Page 58

2532 Capitata (Blue Thimble Flower). 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across. Makes a good cut flower as the blooms last well. May also be used as everlasting, retaining their color when dried. ¼ oz., 25c. Pkt., 10c.

2530 Mixed. 1 ft. Exceedingly graceful, early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer. Pkt., 10c.

2681 **GYPSOPHILA** Elegans Grd. Alba. **15c.**

Gypsophila □

Culture: A, Page 58

Graceful plants of light fairy-like growth. The misty bloom adds interest to a bouquet.

2681 Elegans Grandiflora Alba Special Selection. This is extremely free blooming, and petals considerably broader, making the flowers nice and round, without the usual cartwheel effect. About 10% will be the smaller flowered type. Oz., 60c; ½ oz., 40c; ¼ oz., 25c; pkt., 15c.

2682 Elegans Vivid Rose. Pkt., 10c.

2683 —Crimson. Pkt., 10c.

2686 —Mixed. ¼ oz., 25c; pkt., 10c.

See also Perennial Pages.

Kings Park, New York, January 31, 1944

My compliments on your excellent catalogue with such valuable information. Mrs. W. S. C.

Hollyhocks (Annual) □ 5 ft.

Culture: A or B, D or E, Page 58

These annual kinds bloom the first year and will live over winter and last for several years, if sown in the open ground in April, they will be in flower in August, but if started indoors and set out in May, they will bloom in July. Very striking planted near hemlocks or used for roadside planting.

2845 Everblooming Double Mixed. Double and semi-double. ⅛ oz., 35c; pkt., 10c.

2840 Everblooming Single Mixed. Large single flowers, exhibiting every shade known in Hollyhocks. ¼ oz., 25c; pkt., 10c.

2842 Indian Spring. 6 ft. Bright rose and rosy-carmine semi-double. Flowering branches are produced freely. Pkt., 15c.

(For others, see Perennial Pages).

2471 **GAILLARDIA** Indian Chief. Pkt., **10c.**

Gaillardia □

Culture: A, B, D or E, Page 58

One of the most profuse bloomers of the flower garden. Gaillardias grow best in full sunlight. The double varieties are among finest of annuals for cut flowers and deserve to be included in every list. 18 in.

2475 Lorenziana Double Mixed. ⅛ oz., 25c; pkt., 10c.

2476 Sunshine. Harmonious blend, ranging from almost self red with yellow tips, until some flowers are pure self yellow. Fully double blooms, 2½ to 3 in. across on stiff stems, 2½ ft. tall. Pkt., 15c.

2471 Picta Indian Chief. 1 ft. Attractive flowers of deep coppery scarlet, accentuated by a dark brown center. Dense bushy plants. Pkt., 10c.

2470 —Single Mixed. Pkt., 10c.

See also Perennial Pages.

2810 **HELICHRYSUM** Vaughan's Special Mixture. Pkt., **15c.**

2476 **GAILLARDIA** Sunshine. Pkt., **15c.**

Godetia (Satin Flower) □

Culture: A, B, D or E, Page 58

Attractive, bushy plants with masses of large, colorful blooms during the summer and fall. Thrive best in a cool, moist soil and half-shady situation.

Upright Growth, Single Flowers 1⅓ ft.

2571 Duke of York. Rich scarlet on white.

2574 Kelvedon Glory. 16 in. Glowing salmon orange, of exceptional brilliance, robust and free

Each of the above, pkt., 10c.

Upright Growth, Double Flower 2 ft.

2591 Gladiolus Flowered, Mixed. Different from others, producing flower spikes much like a Gladiolus, which are closely set by double flowers in bright attractive colors. Pkt., 10c.

Compact Dwarf Growth, Single Flowers

2573 Gloriosa. 10 in. Dark glowing red.

2576 Rosamunde. 8 in. Vivid rose with white.

2569 Single Dwarf Mixed.

Each of the above, pkt., 10c.

Dwarf Double Azalea Flowered

2577 Sweetheart. 12 in. Pink, cream overlay. Pkt., 10c.

2581 Sybil Sherwood Double. The flowers completely hide the foliage beneath a canopy of beautiful bright salmon pink, white edged flowers. Pkt., 10c.

Helichrysum □ 3 ft.

Culture: A or B, D or E, Page 58

For winter bouquets, Straw Flowers should be cut before the centers open, and be hung upside down in a cool, dark place to dry. The foliage should be stripped off, and if it is desired, a fairly stiff wire may be twined about each stem to make them easier to handle in arranging them in bouquets. To grow large flowers, disbud, allowing only one bud to remain on each stem.

2775 Fire Ball. **2770 Silver Ball.**
2780 Golden Ball. **2771 Silvery Pink.**
2785 Rose Queen. **2795 Violet Queen.**
2790 Salmon Queen.

Each of the above, pkt., 10c; any 3 pkts., 25c.

2810 HELICHRYSUM Vaughan's Special Mixture of Helichrysums. This is a balanced blend of the varieties listed and many other color tones in large flowered strains, giving an amazing collection of flowers for winter bouquets. ⅛ oz., 25c. Pkt..... **15c**

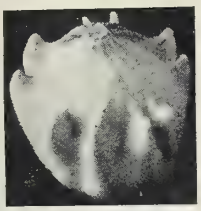
GOURDS, Varieties Illustrated are, 1. Bottle Miniature (2607); 2. Ornamental Pomegranate (2630); 3. Large Dipper (2610); 4. Bird's Nest (2603); 5. Hercules' Club (2618); 6. Turk's Turban (2645); 7. Spoon (2643); 8. Warted Sorts (2646).

Gourds □

Culture: A, B, D or E, Page 58

Large Gourd fruits make attractive decorations at harvest festivals. The small ones may be placed in bowls for table decorations. Bird houses, dippers, bowls, and toys are made of others. Leaflet on culture sent free if asked for with order.

Crown of Thorns Gourd



2609 Also known as **Finger Gourd, Holy Gourd, Gourd of the Ten Commandments and Sugar Bowl.** Ten prongs extend from the ridges or angles, standing free from the front part of the fruit. The fingers are hollow when inside pulp or fiber dries away. The shell is hard and durable. Base of the Gourd, about the stem, shows the ten customary main grooves. It is white or ivory-white. Pkt., 25c

LARGE FRUITED GOURDS

2603 Bird's Nest (4). For bird houses.

2605 Bottle. Large. The original Thermos bottle. Makes fine bird houses.

2608 Calabash Pipe. Powder Horn or Penguin Gourd. Odd-shaped fruit which is used in making pipes.

2610 Large Dipper (3). Fruit makes an excellent dipper and may be used for birds' nests.

2615 Dishcloth. Fruit is made up of a spongy-like porous pulp, which may be dried and used as a sponge. To speed up germination of Dishcloth Gourd, pour very hot water over seed and allow to stand for 12 hours. Plant immediately.

2618 Hercules' Club (5). Fruit grows 3 to 4 ft. long.

2622 Maranka (Cave Man Club or Dolphin). Knobby club shaped, dark green.

2640 Sugar Trough. Thick shells, very durable.

2645 Turk's Turban (6). Odd brightly colored fruit. Intermediate in size.

Each of above, pkt., 10c; any 3 pkts. for 25c.

2651 Large Fruited Sorts. Mixed. Pkt., 10c; 3 pkts. for 25.

SMALL FRUITED GOURDS

2600 Apple-Shaped. Small fruits.

2607 Bottle Miniature (1).

2625 Nest Egg. Practical nest eggs.

2627 Orange. The well known Mock Orange.

2630 Ornamental Pomegranate (2). or Queen's Sweet Pocket Melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens.

2637 Pear Shaped Mixed.

2643 Spoon (7). Small ball-shaped fruit with slender necks, deep orange. By slicing off a side a satisfactory spoon is made.

2646 Warted Sorts (8). Mixed.

Each of the preceding, pkt., 10c; any 3 pkts. for 25c.

2650 Small Fruited Varieties Mixed. Pkt., 10c; 3 pkts. for 25c.

GOURDS—Continued

2660 Vaughan's Special Mixture. All shapes and sizes of these interesting fruits, so fashionable for ornaments, bird houses, and utensils, are included in this mixture. 1 oz., 60c; ½ oz., 35c; pkt. **15c**

Sow with Gourds for Decorative Effect:

1927 CORN Calico Indian or Squaw. The ears are used in making charm or Patio strings combined with the small gourd fruits. The kernels are of various bright colors. Oz., 25c; pkt., 10c.

1928 CORN Strawberry. See Novelty Pages.

3211 MARTYNIA Proboscidea (Unicorn Plant). Tall, bushy heavy leaves, medium green. Fragrant creamy white flowers, producing fruits like unicorn or curved horn tapering to the blossom end. 18 to 24 in. Pkt., 15c.

Fragrant Heliotrope □ 2 ft.

Culture: A or B, D or E, Page 58

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom, flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seeds sown in the spring make fine plants for bedding out, however, seedlings tend to lose their rich fragrance.

2820 Mammoth Mixed. Large flowers ranging from dark blue to lilac. Pkt., 15c.

Hunnemannia □ 1½ ft.

Culture: A or B, D or E, Page 58

2860 (Bush Escholtzia, or Santa Barbara Poppy). The plants grow into shrubby bushes, producing their large cup shaped flowers 3 in. across on stems 12 in. long. The petals are broad and crinkled. Does best in well limed sandy soil. Soak seeds overnight before sowing. ¼ oz., 25c; pkt., 10c.

2861 Sunlite. Gorgeous, semi-double, clear canary-yellow blooms. The extra rows of short petals are on the outside instead of the inside of the Tulip-shaped flowers. Light gray-green foliage. Flowers last two to three days as a cut flower. ⅛ oz., 50c; pkt., 15c.

Annual Hibiscus □

Culture: A or B, Page 58

2836 Trionum. The plants are uniform, stiff and rugged, requiring no staking, and bloom from June to frost-time. The flowers are three inches across, of cream with a center of dark purple, dotted with orange stamens. Pkt., 15c.

For other varieties, see Perennial Pages.

Lantana + 1 ft.

Culture: D or E, Page 58

2980 Dwarf Hybrids. Mixed. Plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer; remains in bloom late in autumn. They have an aromatic perfume. Slow to germinate. Sow early with protection and transplant. Pkt., 15c.

1927 **CORN** Calico Indian or Squaw. Pkt., **10c.**

2820 **HELIOTROPE** Mammoth Mixed. **15c.**

2861 **HUNNEMANNIA** Sunlite. Pkt., **15c.**

2170 **LARKSPUR,** Vaughan's Special Mixture. Pkt., **10c.**

2170 LARKSPUR, Vaughan's Special Annual Mixture. Charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. They should be grown in good rich well-manured soil, and in a full sunny position. The plants, moreover, should be given plenty of room in order to allow them to branch out freely, and make handsome specimens. 1 oz., $1.00; ¼ oz., 30c; pkt..... **10c**

Annual Larkspurs

ANNUAL Larkspurs give fine spikes of bloom that are exceedingly graceful and attractive. Real treasures for cutting. Perfectly hardy. Sow very early in spring, thin out the seedlings as necessary and give each plant room for development. Seed may also be sown in late fall for early flowers the following spring. In the summer germination is improved by chilling the seed several days in the refrigerator.

Culture: A or B, D or E, Page 58

Double Giant Imperial (Base Branching). ☐ 3 to 4 ft.

See Illustration on Back Cover.

These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants.

2151 **Blue Bell.** A fine medium blue.
2166 **Blue Spire.** Deep Oxford blue.
2152 **Carmine King.** Deep carmine rose.
2171 **Coral King.** Blush pink with a strong suffusion of coral which grows deeper.
2153 **Daintiness.** Delicate lavender.
2172 **Dazzler.** A rich scarlet base.
2155 **Exquisite Pink Improved.** Soft pink shaded salmon.
2173 **Gloria Improved.** A rich deep rose-salmon.
2160 **Lilac King.** Rich lilac.
2167 **Lilac Spire.** Lilac.
2156 **Los Angeles.** A shade between salmon and rosy scarlet.
2157 **Miss California.** Deep pink shaded salmon.
2162 **Pink Perfection.** Lively light pink, large double florets, excellent upright habit.
2175 **White King.** Pure glistening white with rounded broad petals. The florets are 2 inches across.

Each of the above, pkt., 15c; any 3 pkts. for 35c; any 6 pkts. for 60c.

2159 **Giant Imperial Mixed.** The above and others. Oz., $1.60; ¼ oz., 50c; pkt., 15c

Double Stock Flowered ☐ 3 to 4 ft.

2120 **Dark Blue.**
2131 **Lilac Supreme.** Deep lilac.
2138 **Rosamond.** A pure rose color.
2145 **White.**

Each of the above, pkt., 10c. Any 3 pkts. for 25c.

2150 **Stock Flowered Mixed.** All colors. Oz., $1.00; ¼ oz., 30c; pkt., 10c.

Super Majestic 5 ft.

The double large flowers are closely set on tall 5-foot spikes and the vigorous growth and abundance of bloom make this new strain especially useful for cut flowers and border backgrounds

2179 **Lavender.** Fine lavender.
2180 **Rose.** An attractive salmon rose.
2181 **White.** Pure glistening white.

Each of the above, pkt., 25c. 1 pkt. each, 3 varieties, 65c.

2165 **Empress Rose Bud.** 33 in. Plants are bushy, semi-dwarf, bearing heavy trusses of deep salmon pink double flowers. Pkt., 25c.

CHINESE LARKSPUR (Delphinium Chinensis). ☐ ①

The Chinese Delphinium blooms from seed the first year if sown early and may be treated as an annual though it is a hardy perennial and plants will last many years. Fine for beds and border masses. Rarely needs staking and is covered with flowers all summer and fall.

7520 **Chinese Blue.** 2-3 ft. Pure blue. Pkt., 10c.
7525 **—Album.** 2-3 ft. Pure white. Pkt., 10c.
7522 **—Cambridge Blue.** 2 to 3 ft. This variety is a really good light blue, far surpassing Belladonna in brilliancy. Pkt., 25c.
7530 **—Mixed.** Pkt., 10c.

Chinese Larkspur Blue Mirror. See Novelty Pages

2965 **KOCHIA** Childsii (Burning Bush). Pkt., **10c.**

Kochia—Burning Bush ☐ 2½ ft.

Annual Hedge Plant

Culture: A or B, D or E, Page 58

2965 **Childsii.** It resembles a close-clipped ornamental Evergreen. The pyramidal bushes are close and compact and of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge, an excellent substitute for boxwood to edge beds. In early autumn the whole bush becomes carmine or blood-red. Flowers small and numerous, but not conspicuous. Oz., 50c; ½ oz., 25c; pkt., 10c.

Blue Lobelias ☐

Culture: D or E, A or B, Page 58

Dwarf Varieties

The compact class form bushy plants fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration.

3040 **Bedding Queen.** 4 in. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. Pkt., 10c.
3041 **Blue Gown.** Clear deep blue, without eye, fine compact habit. Pkt., 25c.
3042 **Blue Stone Re-Selected.** Compact habit, large flowers of brilliant mid-blue. 4 in. Pkt., 25c.
3053 **Cambridge Beauty.** Large light blue flowers, green foliage. Pkt., 25c.
3045 **Crystal Palace Compacta.** 4 in. Deepest blue, dark foliage. Pkt., 10c.
3050 **Emperor William.** Gentian blue flowers, light foliage, one of the best and most popular sorts. 4 in. Pkt., 10c.
3056 **Snowball.** White. Pkt., 10c.
3070 **Mixed Colors.** Pkt., 10c.
3067 **Tenuior.** 15 in. Upright habit, large flowers of rich cobalt blue with white eye. Pkt., 15c.

Lobelia Cardinalis and Lobelia Syphilitica. —See Perennial Pages.

Trailing Lobelias

Are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

3065 **Sapphire.** Large, deep blue flowers, with a pure white eye. Pkt., 15c.

3040 **LOBELIA** Bedding Queen. Pkt., **10c.**

3039 **LINARIA** Fairy Bouquet Mixed. Pkt., **15c.**

Linarias (Baby Snaps)

12 to 18 in. □

Culture: A or B, Page 58

Also known as miniature snapdragons, are very charming free flowering border plants in bright and pastel tones. To get best results thin to 18 inches.

3031 Golden Gem. Pkt., 10c.

3039 Fairy Bouquet. 8 in. A strain greatly improved by more compact growth, and with large flowers of rose, yellow, pink, lavender, carmine, red, violet, white and salmon. ⅛ oz., 35c; pkt., 15c.

3034 Maroccana Hybrida Excelsior, Mixed. Colors range through crimson and gold, pink, mauve, dark blue, chamois, rose, and lighter art shades. Pkt., 10c.

2989 **LAVATERA** Loveliness. Pkt., **15c.**

Lavatera—Annual Mallows □

Culture: A or B, Page 58

Showy plants, covered with large flowers. 2½ ft.

2985 Splendens Alba. Silky, pure white. pkt., 10c.

2991 —Mixed. Pkt., 10c.

2989 —Loveliness. Rich rose pink flowers. Very effective as a garden plant. The bronzy foliage and stems making a fine foil to the flowers. Pkt., 15c.

Mimulus □

Culture, D or E, Page 58

3275 Moschatus (Musk Plant). 10 in. Trailing plant for damp, shady places. Small yellow flowers, without odor. Fine for the rock garden. Pkt., 25c.

3280 Tigrinus (Monkey Flower) Queen's Prize, Single Mixed. 1 ft. Dwarf bushy plants, with large Gloxinia-like flowers. Pkt., 10c.

Annual Lupines □

Culture: A or B, D or E, Page 58

Free flowering, easily grown annuals, with long, graceful spikes, pea-shaped flowers. The fine, dark, glossy foliage makes an admirable foil for the long spikes of bloom; prefers a little shade.

Nitragin for inoculating Lupin Seed, Garden Size. Pkt., 10c.

3091 Hartwegii, White. Pure white flowers.

3085 —Cambridge Blue. Sky blue.

3080 —Oxford Blue. Dark blue.

3088 —Rose.

King or Giant Hartwegii. 3 to 4 ft. Base branching plants, each bearing six to eight large flowers.

3076 King Dark Blue. **3077 King White.**

3078 —Sky Blue. **3079 —Mixed.**

3100 Subcarnosus (Texas Bluebonnet). 15 in. The flowers are of a delightful blue, with blotch of deep rosy flesh.

Each of the above, pkt., 10c; any 3 pkts., 25c.

3105 Tall Annual Sorts, Mixed. ¼ oz., 30c; pkt., 10c.

Matricaria □

Culture: D or E, A or B, Page 58

3205 Capensis Fl. Pl. (Feverfew). 3 ft. Neat, small, double white flowers, well adapted for borders, beds and cutting. They are perennial, but may be treated as annuals. Pkt. 10c.

3206 Capensis Improved. Select flat petaled type. snow-white flowers. Pkt., 35c.

3208 Golden Ball. 1 ft. Of compact habit, with very striking double yellow flowers. Pkt., 10c.

3209 Snowball. 10 in. Profuse blooming bedding plant, double white flowers. Pkt., 10c.

Sow For Fragrance

EVENING SCENTED STOCK or PERFUME PLANT

Culture: A or B, Page 58

3212 Matthiola Bicornis. □ 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume perceptible at a distance. Pkt., 10c.

Mignonette (Reseda) □

Culture: A or B, Page 58

A well-known, old-fashioned flower of no great beauty, but highly prized for its fragrance, either in the garden or in mixed bouquets. The plants resent moving and seed should be sown where they are to bloom, thinning them to a foot or more apart.

3225 Bismarck. 1 ft. The red flowers are large, the spikes dense, foliage crinkly, while its powerful fragrance is delicious. Pkt., 10c.

3235 Goliath Red. 2 ft. Giant red flowering variety. Very fragrant. Pkt., 10c.

3245 Machet. 15 in. It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. ⅛ oz., 25c pkt., 10c.

3260 Mixed. Also many shades and types. ½ oz., 25c; pkt., 10c.

Microsperma □ **8 to 9 in.**

Culture: A, B or D, Page 58

3314 "Golden Tassel." It forms a compact plant strikingly like a Chinese Primula. The upright flowers, 2 inches across, are adorned with a multitude of stamens, which add greatly to their beauty. Sowings should be made in heat about the end of February to March, the seedlings repotted and put out of doors at the end of May. Pkt., 25c.

Mimosa (Sensitive Plant) □ **1 ft.**

Culture: D or E, A or B, Page 58

3270 A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken. Pinkish white flowers. Pkt., 10c.

Mesembryanthemum (Ice Plant) □

Culture: A, B, D or E, Page 58

2869 Criniflorum (Livingstone Daisy). Plants of slightly spreading, Daisy-like flowers. 2 inches, pure white edged with rose, crimson, pink and buff; and self colors. Will grow in crevices of paving or old walls and thrives in poor soil. Pkt., 25c.

3105 **LUPINUS** Tall Annual Mixed. Pkt., **10c.**

3290 **MARVEL OF PERU** (Four O'Clocks) Mixed. Pkt., **10c.**

Marvel of Peru or Four O'Clocks □

Culture: A or B, D or E, Page 58

Showy summer and fall blooming plants that do well everywhere. Flowers open in the afternoon and all day if it is cloudy. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. It will result in larger plants, stronger, with more flowers.

3290 Mixed Colors. Lb., $3.40; ¼ lb., 90c; 1 oz 30c; pkt., 10c.

3297 Dwarf Mixed. Pkt., 10c

3245 **MIGNONETTE** Machet. Pkt., **10c.**

3152 Orange Supreme. Pkt., **25c** 3129 California Gold. Pkt., **15c** 3123 Guinea Gold. Pkt., **10c** 3142 Sunset Giants. Pkt., **15c**

Best Marigolds

Culture: A or B, D or E, Page 58

3175 Vaughan's Special Mixture of Dwarf Double and Single Varieties. These dwarf, compact strains are very attractive, each plant being covered with hundreds of small bright flowers, including listed varieties and many others of charming variations. ⅛ oz., 50c; pkt., **10c**

3150 Vaughan's Special Tall Mixture. This mixture includes all the African sorts, including this year's novelties. A packet will give you flowers of enormous size in a wonderful assortment of color. ⅛ oz., 50c; pkt..... **15c**

3170 **MARIGOLD** Harmony Hybrids. Pkt., **25c**

Carnation Flowered

3129 California Gold. 2½ ft. Attractive deep orange flowers, with long loose petals artistically arranged, without the disagreeable Marigold odor of the foliage. Flowers 2½ in. across on good wiry stems. Pkt., 15c.

3152 Orange Supreme. Except for its deep orange coloring, this is a twin for Yellow Supreme, which can pass for a Carnation in table arrangements, and is conceded to be best of its class. Flowers reach 4 to 5 inches, on long stems, plants 3 feet tall. Pkt., 25c.

3124 Yellow Supreme. A large bloom of honey fragrance, with broad, loose, frilled petals of a rich lemon-yellow, largest of true "Carnation flowered" type. Plants are vigorous, with foliage practically free from Marigold odor. Pkt., 10c.

3123 Guinea Gold. 2 to 2½ ft. The original Carnation-flowered type, producing flowers 2 to 2½ inches across, of brilliant orange flushed with gold. Practically 100% double. This is an early flowering sort. ⅛ oz., 35c; pkt., 10c.

Chrysanthemum Flowered

3128 Golden Glow. Somewhat resembles Rudbeckia Golden Glow. Petals are straight, sharply pointed and rather flat. Blooms about 2½ inches across and are borne in clusters. Odorless foliage. Pkt., 15c.

3153 Goldsmith—See Novelties. Pkt., 25c.

3127 Limelight—See Novelties. Pkt., 15c.

3132 Mission Yellowstone—See Novelties. 25c.

3140 Vaughan's Chrysanthemum Flowered Hybrids. 3 ft. An early flowering strain, bearing flowers of several distinct types, and tones of orange and yellow. Some have quilled and incurved petals, others flat Carnation-type flowers, Pkt., 15c.

Gigantea or Dahlia Flowered

3141A Orange Sunset. Giant deep orange. Pkt., 15c.

3142 Sunset Giants 3½ to 4 ft. Flowers 7½ inches in diameter are sometimes produced by plants of this giant strain, largest of all Marigolds. The average size is less, but still exceptionally large. Color varies, yellow and orange. Plants vigorous, heavy stems, 60% double. Pkt., 15c.

3177 Dwarf Pot of Gold—See Novelties. 25c.

3155 Tall Mixed. All large flowered sorts. Pkt., 25c.

Miscellaneous

3141 Crown of Gold. The first known Marigold with odorless foliage. Flower centers are of short curled, quilled petals with a collar of flat guard petals on outside. Color is orange, 2½-inch flowers, fragrant, 2½ feet tall. Pkt., 20c.

3154 Vaughan's Treasure Chest. 2½ to 3 ft. Colors run from deepest orange through golden orange, golden, golden yellow, lemon-yellow, buff-yellow to lightest primrose. Some Chrysanthemum-like but mostly of the Carnation and Peony-flowered forms, many 5 in. across. Pkt., 15c.

Double Dwarf French Harmony Type

A selection of new strains and varieties in the popular crested center type. 12 in. to 14 in.

3164A Butterball—See Novelty Pages. Pkt., 25c.

3174 Harmony. Dwarf, compact, early, golden yellow bordered, maroon red. ¼ oz., 60c; ⅛ oz., 35c; pkt., 15c.

3168A Melody. Excellent rich orange, compact, dwarf. Pkt., 25c.

3169A Scarlet Glow. 1 ft. In the sun this flower glows and seems redder than any other Marigold. Pkt., 25c.

3169 Spotlight. Rich yellow bordered mahogany red, 1¾ inch, very early. All Double. Pkt., 25c.

3170A Spry. See Novelty Pages. Pkt., 25c.

3165 Sunkist Orange. See Novelty Pages. Pkt., 25c.

3170 Harmony Hybrids. Wide and varied range striking color combinations, 1¾ inch flowers with crested center and flanking guard petals, early. 100% All Double. Pkt., 25c.

Dwarf French Double Sorts 10 in.

3167 Gold Ball. **3168 Lemon.**

3166 Robert Beist. A warm shade of shining purple scarlet. **Each of the above, pkt., 10c.**

3171 Monarch Strain of Dwarf French, Double Mixed. Symmetrical compact habit, including orange, bronze and mahogany. ¼ oz., 35c; ⅛ oz., 25c; pkt., 10c.

3158 Dwarf French All Double Early Flowering Mixed. Pkt., 15c.

3161 Double Dwarf French Early Flowering, All Double Striped. Pkt., 10c.

3181 Dwarf Royal Scot All Double. 10 in. Dwarf bushy growth. Mahogany and gold. Pkt., 15c.

Single Dwarf Varieties

3178 Fire Cross (Improved Legion of Honor). Each deep orange-yellow petal carries a large crimson-maroon blotch. Pkt., 10c.

Single Tall French

3156 Wildfire. 18 in. This seed bearing hybrid between French and African varieties, bears single flowers which sometimes reach 3 inches in diameter, varying in color and markings on the same plant. Blooms in eight weeks from sowing, flowering until frost comes. Pkt., 10c.

3186 Flaming Fire. 2½ ft. The long stemmed, brightly colored, large single flowers, 2 in. across, at times are flaming red, at other times red and yellow. Plants bloom in about 12 weeks. Pkt., 15c

Marigolds with Odorless Foliage

3159 Honeycomb in novelties. Pkt., 25c.

3129 California Gold. Pkt., 15c.

3141 Crown of Gold. Pkt., 20c.

3128 Golden Glow. Pkt., 15c.

3124 Yellow Supreme. Pkt., 10c.

3195 Special Mixture of Odorless Foliage Varieties. Pkt., 25c.

First Tall Red Marigold

3173A Idabelle Firestone. Tall double flowering Hybrid of the African and French species has 2½-inch mahogany red flowers on vigorous 3-foot bushes, taller and much larger than any previous double red marigold. Pkt., 25c.

3173 Red and Gold Hybrids. Hybrid of French and African species which bears no seed, so whether you pick the flowers or not, it just keeps producing, on bushy 2-foot plants, large double red and gold flowers, twice the size of most French varieties, so beautiful and plentiful that many good judges think it the finest of all border marigolds. Pkt., 20c.

Double Tall African 30 in.

3134 Alldouble Orange. Exactly like tall African Orange Queen in size and color and comes about 90% double from seed. Pkt., 15c.

3133 Alldouble Lemon. Yellow, same as preceding only the color is light yellow, about 90% double. Pkt., 15c.

A Golden Shower

3200 Mexican Marigold (Signata Pumila). 10 in. A miniature type forming compact plants completely covered with bright yellow flowers with brown stripe down the center of each petal. Pkt., 10c.

3149 Tom Thumb Golden Crown. 10 in. A dwarf form of Guinea Gold. Golden yellow flowers, of the same Carnation type and firm substance, are produced in great abundance, often 25 to 30 on a plant. Fine for front row of border. Pkt., 15c.

3174A Dwarf Chrysanthemum-flowered, Golden Bedder. Earliest of all, uniform, covered with golden orange flowers of chrysanthemum type. Pkt., 25c.

1922 **MORNING GLORY.** Royal Ensign. Pkt., **20c.**

Fredericktown, Ohio, August 14, 1944
We had a packet of Royal Ensign Morning Glory and think they are gorgeous. C. W. A.

Day Flowering Ipomoeas

2925 IMPERIAL MORNING GLORIES Vaughan's Special Mixture. The colors run from snow-white through all tones of blue, red, and purple. Sun-loving plants do best when protected from north and west wind. ¼ oz., 30c; pkt. **10c**

2950 Setosa (Brazilian Morning Glory). Leaves are 9 inches across; flowers 2 inches, tinted pink with a star of satiny pink. Curious seed pods. Pkt., 10c.

2937 Alamo or Mile-A-Minute Vine. Fast growing delicate foliage vine, excellent cover for fences or trellises, flowers 1½ in., creamy white, center deep wine red, open late morning and afternoon. Pkt., 10c.

Night Flowering

IPOMOEA (Moonflower) ☐ = 20 ft.

2895 Bona Nox (Evening Glory). Violet. Pkt., 10c.

2905 Mexicana Grandiflora Alba (White Moonflower). Covered with large white flowers every evening and cloudy day. Pkt., 10c.

2910 Giant Pink. Soft lilac-pink flowers. Pkt., 10c.

Morning Glories and Moonflowers

Culture: A or B, D or E, Page 58

If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun and do not overfeed, as this may limit flowers. Over 10 feet.

2942 Heavenly Blue Improved. The color is a deep sky blue, shading lighter toward the center; the flowers are large and freely produced and the plants flower early and continue throughout the summer. Early flowering and the flowers remain open to six o'clock in the evening on cloudy days. Oz., $1.00; ¼ oz., 30c; pkt., 15c.

2941 Clark's Early Flowering. A strain of Heavenly Blue Selected for earliness. Flowers measure 3½ to 4 inches across. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm. ¼ oz., 30c; pkt., 15c.

2938 Columbia—See Novelties. Pkt., 25c.

2943 Improved Pearly Gates. This is a white sport of the lovely Heavenly Blue morning glory, and is similar in size, vigor of growth and abundant bloom, to that unsurpassed climber; but the color is satiny white with cream throat. Pkt., 25c.

2948 Scarlett O'Hara. A sensational climber, stunning 3½-in. flowers of a soft velvety scarlet. The bright color is carried well down the throat, borne in profusion from July until frost. The flowers stay open longer in the day than other sorts and the foliage is quite distinct. ¼ oz., 60c; pkt., 20c.

1908 Crimson Rambler. A Morning Glory of bright ruby red, member of the Convolvulus family, which flowers with all the well-known vigor of its race, and will clamber over an arbor in record time. ¼ oz., 50c; pkt., 10c.

2945 Double Rose Marie. We are not surprised by Morning Glories which belong to the Moonflower family (Ipomoeas) but a double Morning Glory is something to talk about. It grows well and produces freely its lovely double flowers. Pkt., 15c.

CONVOLVULUS (Morning Glory)

Culture: A or B, D or E, Page 58

1900 Tall Mixed, all colors. 1 oz., 25c; pkt., 10c.

DWARF MORNING GLORY 1 ft.

Showy hardy annuals for beds and borders, also rockwork; they bloom for a long period and delight in sun.

1921 Dwarf Rose. Lovely rose color. Pkt., 10c.

1922 Dwarf Royal Ensign. A deep bright ultramarine; the deepest and brightest of all blue annuals, with a white halo and gold throat. The plants are covered with their attractive blossoms all summer. Use for edging and borders. Pkt., 20c.

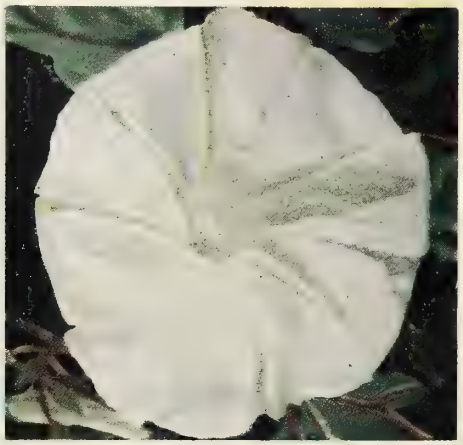
1920 Dwarf Mixed, all colors. Pkt., 10c.

2901 Giant Cornell

The flowers, as large as Heavenly Blue, are an intense carnelian red with pure white border, reproducing the colors of Cornell University, presenting a very gay appearance. Growth is rapid and flowers come early, when vine is two feet tall, increasing in number until killing frosts arrive. ¼ oz., 50c; pkt. **20c**

2901 **MORNING GLORY.** Giant Cornell. Pkt., **20c.**

2948 **MORNING GLORY** Scarlett O'Hara. Pkt., **20c.**



2943 **MORNING GLORY.** Improved Pearly Gates. Pkt., **25c.**

2942 **MORNING GLORY.** Heavenly Blue Improved. Pkt., **15c.**

Red, White and Blue

MORNING GLORIES

2940 Red, White and Blue Collection. One packet each of Scarlett O'Hara, Heavenly Blue and Pearly Gates Morning Glory (value 60c), for 40c

2935 Red, White and Blue Mixture. A balanced mixture of the above. Pkt., 25c.

One of our friends writes us: For twenty-five years I have had a moonvine running all over a pergola in my yard. I always set them out in the ground in May and they cover my pergola and bloom until heavy frost. The big white flowers are often four inches in diameter and they bloom each evening after the sun has gone down.

Fragrant Nasturtiums

Culture: A or B, D or E, Page 58

NASTURTIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravely banks.

Leaves of Nasturtiums may be used for sandwich fillings and salads and the green seed pods may be used in pickles.

Aphis on Nasturtiums. One of our friends writes in "Horticulture": "I am not troubled with aphis if I sprinkle moth balls on the ground quite close to the stems of the plants." Red Arrow is also recommended.

Tall, Double Fragrant Varieties

3733 Fire Gleam. Bright scarlet. Pkt., 10c.

3735 Golden Gleam. The large double, golden yellow flowers on long stems are borne profusely well above the bright green foliage. Oz., 25c; pkt., 10c.

3732 Indian Chief. It has dark foliage and vivid scarlet flowers. Oz. 25c; pkt., 15c.

3737 Orange Gleam. Clear deep orange colored flowers. Oz., 25c; pkt., 10c

3738 Salmon Cerise. Pkt., 10c.

3736 Scarlet Gleam. The flowers are a fiery orange-scarlet. Oz., 30c; pkt., 10c.

3745 Vaughan's Special Mixture of Tall Nasturtiums. In this will be found all the choicest colors of all the Tall Nasturtiums, both single and double, and will furnish a brilliant display of flowers. ¼ lb., 55c; 1 oz., 15c; pkt., 10c.

Dwarf, Double Fragrant Varieties

3561 Globe of Fire. Flowers of flaming red, contrasting vividly with the dark green leaves, are borne in great abundance upon a compact dwarf plant. Pkt., 15c

3558 Golden Globe. Identical in color with Golden Gleam, but making bushy plants which the freely produced blossoms convert into mounds of gold. Oz., 30c; pkt., 10c.

3542 Mahogany Gem. The velvety, brilliant flowers are rich, deep mahogany. Red wallflower color. Pkt., 15c.

3543 Orange Glory. The large flowers are bright orange; the base of each of the upper petals and most of the inside of the throat are painted with deep garnet-brown. Narrow lines of this latter color radiate like a fan over the upper petals, but disappear in an overlay of orange-chrome. Pkt., 15c.

3545 Ruby Gem. Dwarf, compact, globe-shaped plants covered with large double, semi-bright ruby colored flowers. Pkt., 15c.

3546 Salmon Gem. Soft golden salmon. Pkt., 15c.

3547 Scarlet Empress. Deep scarlet flowers, very dark foliage. Pkt., 15c.

3560 Dwarf Double Gem Mixed. Ideal for edging beds and window boxes. It produces an evenly balanced range of bright colors. ¼ lb., 90c; oz., 30c; pkt., 10c.

3739 Vaughan's Double Tall Glorious Gleam Hybrids. Colors never seen before in a double Nasturtium abound in profusion—salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. ¼ lb., 1.00; oz., 30c; pkt., 10c.

3570 Vaughan's Special Mixture of Dwarf Nasturtiums. This mixture is put up by ourselves from named sorts of the single and double varieties which have the richest and most varied combination of colors. ¼ lb., 55c; 1 oz., 15c; pkt., 10c.

Myosotis — Forget-Me-Nots 1 ft.

Culture: A, B or C, Page 58

Will bloom the first year from seed, so treat as annuals. If wintered over, Alpestris varieties will bloom in early spring; they delight in well-drained soil in a sunny location. Other varieties listed will bloom from May until frost and prefer cool, moist loam and half-shade. For beds, borders, rock gardens, pots and cutting

3321 Alpestris Blue Eyes. Bright blue with white eye, large, early. Pkt., 15c.

3356 **MYOSOTIS** Early and Late Flg. Pkt., **25.**

3328 Alpestris Indigo (Sutton's Royal Blue). Pkt., 10c.

3330 —Rosea. Pink. Pkt., 10c.

The **Bouquet** type is a compact upright grower of the pillar or column type, blooms so freely the plants are completely smothered with flowers. 1 ft.

3350 Blue Bouquet. Royal blue. Pkt., 15c.

3356 Vaughan's Early and Late Flowering Blue Bird. 1 ft. A beautiful deep blue variety. A perennial which blooms from seed if sown early the first year. Pkt., 25c.

Dwarf Forget-Me-Nots

Victoria 8 in. Dwarf globular plants, completely covered with bloom, best variety for borders and pots.

3340 Victoria Azure Blue, with yellow center. Pkt., 15c.

3341 —Indigo Blue. Pkt., 15c.

5844 ANNUALS FOR WINDOW OR PORCH BOX

Culture: A or B, Page 58

IN MIXTURE. A charming selection of quick growing annuals which will make a bright spot and interesting display. This is a formula mixture carefully prepared to include both compact and trailing types with brilliant colors and long flowering season. Pkt., 20c.

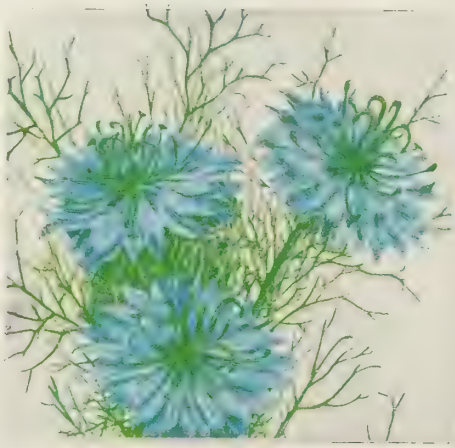
Malden, Illinois, March 22, 1944
Last year I planted 3142 Dahlia Flowered Marigolds and they were the pride of my flower garden.
Mrs. W. H. S.

Nigella (Love-in-the-Mist)

Culture: A or B, D or E, Page 58

3420 Miss Jekyll Dark Blue. A lovely variety, bearing on long stems, large semi-double flowers of a charming intense dark blue nestling in fine feathery foliage. Pkt., 10c.

3415 Mixed Blue and White. 8 in. Pkt., 10c.



3420 **NIGELLA** Miss Jekyll. Pkt., **10c.**

3390 **NICOTIANA** Affinis. Pkt., **10c.**

3393 **NICOTIANA** Affinis Crimson Bedder. Pkt., **15c.**

3926 **PENTSTEMON** Sensation Mixed. **25c.**

Nicotiana ☐ 2 ft.

Sweet-Scented Tobacco Plant

Culture: A or B, D or E, Page 58

Their long tubular flowers close in midday, but open as evening approaches and give forth a rich perfume.

3390 Affinis. One of the most delightfully fragrant flowers, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. ⅛ oz., 25c; pkt., 10c.

3392 Affinis Hybrids. Splendid hybrids in blue, red and rose shades. ⅛ oz., 25c; pkt., 10c.

3393—Crimson Bedder. The flowers are of a rich deep crimson. 15 in. Pkt., 15c.

3391—Crimson Flame. Petunia-like flowers form five pointed red stars, very fragrant. Pkt., 25c.

3396 Sanderae Crimson King. Dark velvety crimson-red flowers. Pkt., 10c.

3397 Sanderae Hybrids. Pkt., 10c.

Nemesia ☐

Culture: D or E, Page 58

The orchid-like flowers range from rose to yellow-orange and blue. It should have an early start in greenhouse or hotbed so it can flower before mid-summer.

3365 Dwarf Blue Gem. 7 inches. One of the best blue annuals for bedding. Pkt., 15c.

3364 Dwarf White Gem (Edelweiss). 7 in. Perfect bushes smothered with white flowers. Pkt., 15c.

3360 Large Flowered Mixed. 1 ft. Is the finest strain for size and richness and variety of colors. Pkt., 15c.

3359 Triumph Hybrids. A splendid race of these popular annuals. The plants grow 6 to 8 inches high, in bushy form, and bear continuously, myriads of brilliantly colored flowers; cream, orange, yellow, crimson, rose, scarlet, etc., tipped with other colors. Pkt., 15c.

Nierembergia ☐

Sheets of Lavender Bloom

Culture: D or E, Page 58

3411 Hippomanica Coerulea. Grows not more than 4 to 6 inches high, forms a cushion of elegant light green foliage from which emerge cup-shaped flowers of a delicate lavender hue, 1 to 1¼ inches across. Blooms the entire summer. Pkt., 25c.

See Novelties.

Nicandra

Culture: A or B, Page 58

3389 Physaloides. Apple of Perú or Shoofly Plant. A strong spreading annual, 3-4 ft. high, grown for the showy blue flowers and odd fruits. It is an old-fashioned garden annual now rarely seen. Pkt., 10c.

WHITE FLOWERS are especially refreshing to the eye in the hot weather. Put them in a clear glass vase to add to the cooling appearance.

Night Garden. Plant white flowers. "These add to the pleasure and enjoyment of a garden in mid-summer as they are the only ones to appear to an advantage in the moonlight."

Nemophila (Baby Eyes) ☐ 6 in.

Culture, A or B, D or E, Page 58

Hardiest of annuals, and of the easiest culture.

3376 Insignis, Blue. Lovely cup-shaped, sky blue flowers with white center. Pkt., 10c.

Oenothera ☐ 1½ to 2 ft.

Culture; A, Page 58

The evening primrose is noted for its heavy scent, given off during the evening hours. Its yellow flowers attractive during the daytime, seem to reflect the moon at night.

3439 Lamarckiana (Evening Primrose). Yellow. Pkt., 10c.

Oxalis ☐

Culture: D or E, Page 58

3445 Rosea. An excellent little plant for edging or rock gardens. Blooms all summer in the greatest profusion; flowers dark rose and delicate pink. Pkt., 25c.

Passiflora

Culture: A or B, D or E, Page 58

3910 Coerulea Grandiflora (Passion Flower). Slender but strong grower. Flowers 2½ to 3½ inches across, slightly fragrant, greenish white; the corona is blue at the tip, white in the middle and purple at the base. Pkt., 10c.

Shirley Poppies 2 ft.

Culture: A, Page 58

Sow them early—since they defy frosts—and where they are to bloom, as they dislike transplanting. They flower in a few weeks from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them, and thin out to 8 inches apart.

(SILK OR GHOST)

These have beautiful satiny flowers of various colors, all with white centers. Foliage is hairy and finely cut.

4277 American Legion. A dazzling orange-scarlet of enormous size. ¼ oz., 25c; pkt., 10c.

4296 Dazzler. All double orange scarlet. Pkt., 10c.

4238 Double Begonia Flowered Sweet Briar. Sweet Briar is a delightful shade of deep rose-pink. The blossoms are full double. Pkt., 10c.

4239 Double Begonia Flowered Mixed. The flowers resemble the double tuberous rooted Begonias in form, and contain an assortment of lovely light shades. Pkt., 10c.

4368 Double Shirley Ryburgh Hybrids. Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.

4280 Wild Rose Shirley. 20 in. Shades of rose and pink. Pkt., 10c.

4281 White Shirley. White flowers are very popular, they neutralize the effect of the brighter colors in a garden. Pkt., 10c.

4370 Vaughan's Special Mixture of Shirley Poppies. Lovely and dainty shades, many edged and shaded with other colors. 1 oz., 75c; ½ oz., 40c; ¼ oz., 25c; pkt., 10c.

Pentstemon

Culture: D or E, Page 58

3926 Sensation Mixture. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome Gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. 2 ft. Pkt., 25c

See Perennial Pages for other varieties.

4370 **POPPY** Shirley Vaughan's Special Mixture. Pkt., **10c.**

4277 **POPPY** American Legion. Pkt., **10c.**

Small Flowering Single Petunias □

Culture: A or B, D or E, Page 58

3996 **PETUNIA** Admiral. Pkt., **50c.**

Single Dwarf Small Flowering Petunias 12 to 15 in.

3996 Admiral. In uniform growth, and unvarying clear dark blue coloring of its abundant blossoms, this excels all other small-flowered blue Petunias. Pkt., 50c.

4017 Celestial Rose. Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose. Pkt., 25c

3999 Cockatoo. Velvety deep violet-purple with irregular sized white spots and stars. Pkt., 25c.

4003 Cream Star. Covered all summer with small flowers of soft creamy white, with deeper cream throat. Gives effect of white in the garden. Plant in shade. Pkt., 25c.

3990 **PETUNIA** Violet Queen. **Pkt., 25c.**
4017 **PETUNIA** Celestial Rose. **Pkt., 25c.**

3982 English Violet. This rosy mauve-violet or purple-violet, brings a distinct new color to its class. Very free-flowering plant of 12 to 15 inches is true and uniform. Pkt., 25c.

4001 Heavenly Blue Re-Selected. A silvery light blue. Varies about 10% in shade. Pkt., 25c.

4005 Improved Rosy Morn. An improved strain of the clear pink bedding variety. Of deeper coloring, more compact growth, and freer flowering with the same white throat. ⅛ oz., 50c; pkt., 15c.

4079 Martha Washington. 9 in. Blush pink deepening to dark violet throat, ruffled flowers Pkt., 25c.

3989 Radiance. A cerise rose with enough underlying salmon to remove harshness. The throat is golden yellow. Pkt., 25c.

4018 Rose of Heaven Select. Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. 1/16 oz., 75c; pkt., 25c.

4020 Snowball. Pure satiny white. ⅛ oz., 35c; pkt., 10c.

4003 **PETUNIA** Cream Star. Pkt., **25c.**

4008 Topaz Queen. Its scarlet-rose coloring is deeper and richer than Celestial Rose, and does not fade in the sun. Its habit is uniformly compact flowers larger and borne freely throughout the summer. It is especially recommended for locations where the hot sunshine tends to pale the color of other varieties. Pkt., 25c.

4021 Twinkles. Masses of small brilliant rose flowers with well-defined pure white star. Pkt., 20c.

3990 Violet Queen (Improved Blue Bird). Rich violet, compact and dwarf, best strain. Pkt., 25c.

For **White Perfection,** see Novelties.
Special Offer—Any of the 25c packets, 3 pkts. for 65c.

4025 Vaughan's Special Mixture of Dwarf Small Flowering Varieties includes all the varieties listed and many others, and will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors. ¼ oz., $1.25; ⅛ oz., 75c; pkt., 25c.

4008 **PETUNIA** Topaz Queen. Pkt., **25c.**

KEY TO SYMBOLS
□Annuals. ✱Biennials. ①Perennials.
÷Greenhouse Plants. +House Plants.
=Climbing Plants. ×Rock Garden Plants.

3972 **PETUNIA** Hollywood Star. Pkt., **25c.**

Single Small Flowering Petunias 18 to 24 in.

4006 Flaming Velvet. A rich velvety crimson, best of its color in this class. Pkt., 15c.

3972 Hollywood Star. The blossoms are of unique shape, the petals being pointed and forming a five pointed star. The color is a lovely deep rose with yellow throat, making a pleasing combination It is early and free flowering. Pkt., 25c.

3975 Howard's Star Improved. Red purple with white star Pkt., 10c

4025 **PETUNIA** Vaughan's Dwarf Small Flowering Mixed. Includes all colors in this type. Pkt., **25c.**

3971 Norma. Blue with white star. Pkt., 10c.

3980 White King. Showy clear snow white flowers. Pkt., 25c.

3995 Finest Mixed. ⅛ oz., 50c; pkt., 10c.

Miniature 6 in.

A new strain of dwarf compact miniature Petunias.

4023A Violet Gem. Rich violet blue.

4029 White Gem. New, pure white.

Each of above, per pkt., 15c.

See also Novelties.

SOWING FINE FLOWER SEEDS

One garden enthusiast mixes her fine seeds, such as Petunia, Poppy, etc., with ten times their bulk of dry sand, puts them into a salt shaker and sifts them over the beds or borders firming them with a board. A very practical idea. Try it!

Olathe, Kansas

I have planted the Celestial Rose Petunia for the last three years and in all that time have had perfect luck and have never had an off color flower. Thanks for good seed. Mrs. E. D. S

Large Flowering Petunias □

Culture: D or E, Page 58

In dry season or wet, the Petunia is the most adaptable, long flowering and colorful of the garden annuals. There is an almost complete color range from the pure white to delicate yellow, through many shades to red and rich purple, veined or blotched with plain or frilled edges. There are small, large single, and double flowered. Petunias make good cut flower material. We supply a leaflet on culture if asked for with order.

4055 Snow Storm. Large Flowered White. Pkt., **35c.**

Large Single Fringed Flowering

4049 Dainty Lady. A large flowering single fringed variety of delicate golden yellow, the first really yellow Petunia. The plants are semi-dwarf and free-flowering. Plant in shade. Pkt., 35c.

4044 Gaiety. Plants are bushy, 8 to 12 in. high, and are covered with large, daintily fringed rose and white blooms. Pkt., 25c.

4054 Golden Jubilee. A most attractive variety with its fringed, 3½-inch flowers of bright carmine, tinged scarlet, with golden throat. Pkt., 35c.

4047 Purple Beauty. 16 in. A large flower beautifully frilled, the best blue fringed Petunia. 50c.

4082 Scarlet Beauty. Very bushy, covered with rich scarlet flowers. The result of breeding from the popular Queen of the Market, from which it secured its brilliant color. Pkt., 25c.

4078 Setting Sun. Forms compact bushes 12 inches high, covered with fringed blossoms of rose pink, measuring 3 inches across. Pkt., 35c.

4062 Theodosia. 20 in. Fringed rosy pink with a clearly defined golden center. Excellent for porch boxes. Pkt. 35c.

4059 White Beauty. Fringed pure white. 25c.

Large Single Flowering (Plain Edged) 12 to 16 in.

The flowers of this type average 3 to 4 inches across.

4073 Blue Beauty. A late flowering, clear, deep blue. Flowers of extra large size on plants of vigorous growth. Extremely free flowering. Pkt., 35c.

4057 Burgundy. Rich wine red with a contrasting white throat. Pkt., 25c.

4058 Elk's Pride. Reselected. Velvety black-purple, best of all dark blues. Pkt., 25c.

4077 **PETUNIA** Salmon Beauty. (Giant Flowered) Pkt., **25c.**

LARGE SINGLE FLOWERING—Continued.

4056 Dwarf Pink Glory. Deep rose, white throat blossoms on dwarf plants. Pkt., 25c.

4055 Snow Storm. Glistening white, shadowing yellow in the throat. An improvement on White Cloud. 4 to 5 in. flowers. Pkt., 35c.

4067 White Cloud. Fine compact bushes only 12 inches high, richly covered with pure white blooms 3 to 3½ inches in diameter. Pkt., 35c.

All Double Petunias.—See Novelty Pages.

4069 Ruffled Monsters. Semi-dwarf type of erect and robust habit. The flowers are very large and ruffled, with open shallow throats. The colors are mostly the desirable red and dark purple, richly marked and veined. Pkt., 50c.

4066 **PETUNIA** Type of Dwarf California Giant Mixed. Pkt., **50c.**

4066 Dwarf California Giants Mixed. The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the Superbissima type. Pkt. (250 seeds), 50c; 500 seeds, 90c.

Giant Single Flowering 18 in.

The flowers of this strain average 5 to 7 inches across.

4071 Copper Red. Enormous flowers with a dark throat, deeply veined. Pkt., 25c.

4090 Prince of Wuerttemberg. Rich dark red with a dark throat. Darkest of all Petunias. Pkt., 25c.

4091 Princess of Wuerttemberg. A ruffled giant rose flower with a garnet throat. Pkt., 25c.

4077 Salmon Beauty. True salmon pink, one of the outstanding varieties in our trials. Pkt., 25c.

4072 Giant Velvety Crimson. Luscious velvety blood red. Pkt., 35c.

4076 Fluffy Ruffles Mixed. The flowers are so ruffled and frilled they have the appearance of being double. The flowers are very large with large throat. It is a well balanced mixture of pink, white, salmon, deep rose crimson, and light blue, about 75% will be ruffled. Pkt..... **35c**

Lebanon, Ohio, April 24, 1944
Your catalog is very interesting and the most attractively colored of any we have seen.
Mrs. C. S. C.

4100 **PETUNIA** Vaughan's Best Large Flowering Single, pkt. (300 seeds), **25c.**

4065 Giants of California Mixed. A well balanced mixture containing a remarkably fine variety of colors, in blends of crimson, white, violet, lavender and pink. Large flowers freely produced. Pkt..... **25c**

Balcony Type Petunias 18 to 24 in.

Single large flowering sorts, trailing habit.

4037 Balcony Black Prince. Dark crimson, rich and velvety.

4036 Balcony Cornflower Blue. Rich blue.

4034 Balcony Red.

4041 Balcony Rose.

4035 Balcony White.

Each of the above, pkt., 25c; any 3 for 65c.

4042 Balcony Mixed. 1/16 oz., 60c; pkt., 25c.

4100 Vaughan's Best Mixture Large Flowering Single. Includes Giant Ruffled, all colors of large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats and mammoth flowers. Pkt. (300 seeds)..... **25c**

4037 **PETUNIA** Balcony Black Prince. Pkt., **25c**

3894 **PANSIES** Vaughan's Super Swiss Giant Mixed. Pkt., **35c.**

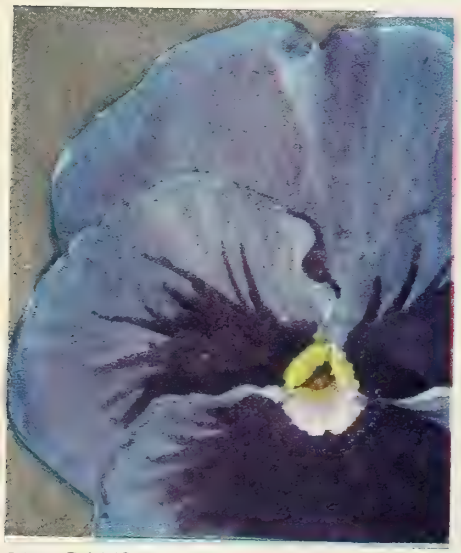
SPECIAL MIXTURES

3794 Vaughan's Super Maple Leaf Giant Mixture (Canadian Giants). The leaves are of giant size and flowers up to 4 inches across, of wonderful substance and fine form. Many charming colors. 1/16 oz., $1.50; 1/8 oz., $2.50. Pkt..... **50c**

3875 Vaughan's Giant Mixture. This mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc. All the flowers are of the Giant type and of good shape and texture. 1/8 oz., $1.50; 2 pkts. for 25c. Pkt..... **15c**

3840 Trimardeau Mixture. It has a complete color range, but lacks the newer varieties. Pkt., 15c.

3881 Engelmann's Giant. A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones, appear early. Pkt., 50c. **For Viola Cornuta see Page 43.**



3891 **PANSY** Swiss Blue (Ullswater). Pkt., **25c.**

Giant Pansies

Culture: A, B or C, Page 58

Pansies have long been a specialty with us. We introduced the Swiss Giants to American gardens and named and introduced the lovely Canadian variety Maple Leaf. Leaflet on culture will be supplied if asked for when ordering seed.

GIANT SWISS VARIETIES

3892 Alpenglow. Rich wine-red shades. Pkt., 25c.

3896 Berna. Dark violet blue. Pkt., 25c.

3891 Blue (Ullswater) (Thuner Sea). Deep blue flower with blue-black blotches. Pkt., 25c.

3820 Coronation Gold. The largest pure gold self. Pkt., 50c.

3897 Delft Blue. A delightful tone of translucent blue. Pkt., 25c.

3862 Fire Beacon. Bright wallflower red with a touch of orange. Pkt., 50c.

3895 Luna. Light straw yellow. Pkt., 50c.

3900 Pure White. Pkt., 50c.

3901 Raspberry Rose. See Novelties. Pkt., 50c.

3893 Yellow (Rheingold). Rich yellow with blotches on the three lower petals. Pkt., 25c.

3894 Vaughan's Super Swiss Giant Mixture. The flowers are gigantic and exhibit shades previously unknown in this family. They bloom early, continuing all summer until late in fall. 1/16 oz., $1.25. Pkt..... **35c**

3786 Masterpiece (Frilled Pansy). A remarkable type, each petal being conspicuously curled or waved. Color range extensive, rich, dark, velvety shades predominating. Pkt., 25c.

Baby Pansies Bloom in 70 days from Seed

3761 Baby Delight. An ideal Pansy for spring blooming. Makes dwarf but compact bushy growth with a height of not more than 8 in. The flower is lovely light blue, with a pleasing "face" about 1 inch in diameter. Pkt., 20c.

3762 Mrs. A. H. Scott. Another of the "baby group," top petals white, lower ones violet purple. A brilliant combination. Pkt., 20c.

3892 **PANSY** Swiss Alpenglow. Pkt., **25c.**

ANNUALS AND PERENNIALS
For Semi-Shaded Locations

Anchusa Italica	Linaria
Antirrhinum	Linum
Aquilegia	Lobelia
Asperula	Lupin
Balloon Vine	Mimulus
Balsam	Myosotis
Begonia	Nasturtium
Bellis Perennis	Nicotiana
Campanula	Nemophila
Centaurea	Pansy
Clarkia	Platycodon
Coleus	Poppies
Cynoglossum	Schizanthus
Delphinium	Stocks
Digitalis	Sweet William
Geum	Torenia
Godetia	Violas

4746 Annuals for Shade or Semi-Shade Mixed. Pkt., 25c.

4747 Perennials for Shade or Semi-Shade. Mixed. Pkt., 25c

Phlox, the Gayest Annual

Culture: A or B, D or E, Page 58

PLANT a bed of these gorgeous annuals this year. If your favorite colors are the delicate shades, buy the Gigantea Art Shades (see Novelty pages); if you want a brilliant kaleidoscopic display, plant our Vaughan's Special Mixture. It has a complete color range of the delicate and brilliant shades. Seed may be sown in the open as soon as frost danger has passed, and flowers will appear in a few weeks. If faded flowers are removed they bloom until late frost. Sow where the plants are to flower as they do not like to be transplanted. 12 inch.

4430 **PORTULACA** Single Mixed. Pkt., **10c.**

Grandiflora Varieties ☐

This section has beautiful, round-petaled flowers, which overlap each other.

4113 Brilliant. Rose with dark eye.

4116 Cinnabar Scarlet. The brightest red in this gay family.

4137 Dark Blue. True blue

4125 Fiery Scarlet.

4147 Lilac with White Eye.

4155 Rose Pink.

4150 Scarlet with White Eye.

4107 White with Dark Eye.

Each of the above, pkt., 15c; 3 pkts., 40c.

4165 Splendid Mixture. ⅛ oz., 85c; ¼ oz., $1.50; pkt., 10c.

Hardy Phlox — See Perennial Pages

Plantsville, Conn., May, 1944
Your catalog is fascinating. We can almost smell the flowers.
A. L. S.

4220 **PHLOX** Vaughan's Special Mixture. Pkt., **15c.**

4220 PHLOX VAUGHAN'S SPECIAL ANNUAL MIXTURE. Contains all the Grandiflora varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. ¼ oz., $1.85; ⅛ oz., $1.00; pkt..... **15c**

Portulaca ☐

Culture: A, D, Page 58

Moss Rose For Hot, Dry Places

Portulaca makes a brilliant carpet for a sunny spot where a ground cover is needed. Flowers like little Roses. In sowing, mix the seed with many times its bulk in dry sand. Sow in May, when the ground is thoroughly warmed. Easily transplanted. Fine for ground covers after bulbs have died down.

Large Flowering Single

4426 Jewell. See novelty pages for illustration and description. Pkt., 25c.

4430 Single Mixed. Oz., $3.00; ¼ oz., 90c; ⅛ oz., 50c; pkt., 10c.

Large Flowering Double

A certain amount will produce single flowers.

4435 White. Pure white. **4441 Salmon.**

4438 Golden Yellow. **4443 Scarlet.**

4440 Pink. **4444 Sulphur Yellow.**

Each of the above, pkt. 15c; 2 pkts. for 25c.

4455 Double Best Mixture. Extra selected true double. 1 oz., $4.00; ¼ oz., $1.25; ⅛ oz., 75c; pkt., 15c.

4455 **PORTULACA** Double Best Mixed. **15c.**

Phacelia ☐ 8 in.

Culture: A, B, D or E, Page 58

4101 Campanularia. Sow where they are to grow. Dwarf plants bearing terminal racemes of gentian-blue flowers with conspicuous white anthers. Pkt., 10c.

4102 Tanacetifolia. (Fiddle Neck). 2 ft. Attractive light blue flowers, tansy leaved. ¼ oz., 25c; pkt., 10c.

4515 PYRETHRUM Aureum Golden Feather.

Culture: A or B, D or E, Page 58 ☐

6 in. Edging plant grown for its beautiful yellow foliage. Pkt., 10c.

4577 ROSY WINGS (OTHAKE OR POLYPTERIS). 18-24 in. Its leaves are narrow and somewhat silvery, and the flowers are about an inch in width, in clusters. Each flower has a very double center surrounded by petals in wing-like form, all of a pleasing rose color. Othake should be sown where it is to stand. It will grow in almost any kind of soil, and blooms from June till October. Pkt., 25c.

Rudbeckia

Culture: A or B, D or E, Page 58

4581 Indian Maid. 4 in. Flowers, with rich brown center through artistic copper shades to golden tips. Some few semi-double or double rows of petals. Sown March 1, bloomed in 3½ months. Vigorous habit. Excellent for cutting. 30 in. Pkt., 25c.

8465 Herbstwald Autumn Tints. 2 ft. A perennial which blooms the first year from seed sown in March, furnishes star flowers of fiery autumn coloring called "Gerberas of the North." Pkt., 25c.

8467 Double Kelvedon Star. A double and semi-double form of Kelvedon Star. The lively shades golden yellow and mahogany are very attractive. Pkt., 20c.

4582 My Joy. Giant Black-Eyed Susans. Flowers very large, some over five inches in diameter, of an orange-yellow with rather small cone. Pkt., 15c.

4584 Starlight. Large-flowered, semi-double selection of Kelvedon Star, a free bloomer. Color from primrose yellow to mahogany and bicolors with mahogany centers. About 3 feet tall. Pkt., 25c.

Ricinus (Castor Bean) ☐

Culture: A or B, D or E, Page 58

Giant, strong growing plants, with ornamental foliage. These plants drive away moles from a garden.

4546 Crimson Spire. 6 ft. Large purplish leaves changing to bronzy green. Stems, stalks and veins are rich red; seed spikes and seed pods are brilliant rosy crimson. Most showy of all. Oz., 50c; ½ oz., 30c; pkt. 10c.

4555 Sanguineus. 7 ft. Whole plant reddish purple, very effective. Oz., 50c; pkt., 10c.

4570 Mixed. Many sorts. 1 oz., 25c; pkt., 10c.

4565 Zanzibar Enormis. 1 oz., 50c; ½ oz., 30c; pkt., 10c.

4560 Zanzibar Mixed. 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant a perfect pyramid. Oz., 50c; pkt., 10c

Periwinkle—See Vinca.

4560 **RICINUS** Zanzibar Mixed. **10c.**

4630 **SALPIGLOSSIS** Vaughan's Special Mixture. Pkt., **15c.**

Salpiglossis

Culture: A or B, Page 58

ONE of the easiest of annuals to grow, the Salpiglossis is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every flower. Its blossoms, similar in shape to a Petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches.

4611 Blue and Gold.
4590 Bright Crimson.
4591 Brown and Gold.
4592 Chamois.
4600 Rose and Gold.
4613 Scarlet and Gold.
4614 Velvety Red.
4595 Faust. Black.
4610 Golden Yellow.
4599 Purple and Gold.
4616 White and Gold.
4617 Violet and Gold.

4601 Rose, Crimson and Gold. Definitely a new color in Salpiglossis of English origin. The rich colored blooms are half again as large as the ordinary type.

Each of the above, pkt. 10c; any 3 pkts., for 25c.

4625 Emperor Mixed. Large improved strain. Complete range of colors ⅛ oz., 25c; pkt., 10c.

4615 Gloxiniaeflora Mixed. A special selection of the Painted Tube Tongue Flowers large and fancifully veined in contrasting colors. Pkt., 10c.

4630 Vaughan's Special Mixture. This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ⅛ oz., 30c; pkt., 15c.

4620 Dwarf Giant Flowered Salpiglossis. See Novelty Page 15. Pkt., **20c.**

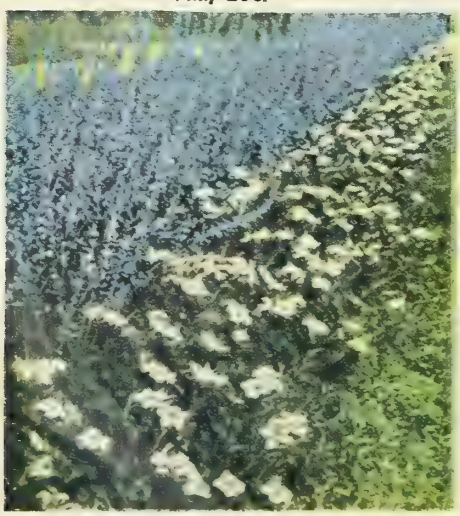
Vaughan's Salpiglossis

1. Violet and Gold
2. Velvety Red
3. Golden Yellow
4. Rose, Crimson and Gold
5. Purple and Gold
6. Scarlet and Gold
7. Rose and Gold

Each of above 10c per packet

4631 Collection. One pkt., each above 7 packets, 60c.

4640 **SALVIA SPLENDENS** America. Pkt., **25c.**



Salvias

Culture: D or E, A or B, Page 58

The brilliant scarlet Salvia Splendens, so highly valued in summer beds, borders window boxes and as cut flowers, is by no means the only worthy member of this family. The rich Wedgwood blue Salvia Farinacea Blue Bedder is increasingly popular in summer borders.

Splendens Type

4640 America, or Globe of Fire. 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. Pkt., **25c.**

4646 Blaze of Fire. 12 in. Earliest of all. The compact plants are mounds of brilliant scarlet, starting to bloom when only a few inches tall and continuing in bloom until late fall. Pkt., 25c.

4655 Clara Bedman or Bonfire. 2 ft. The spikes grow erect above the foliage forming handsome globular bushes. ⅛ oz., $1.00; pkt., 25c.

4662 Harbinger. The plants are dwarf and compact and dark foliage is very effective against the vivid scarlet of the flowers; seeded indoors in February, will begin to flower in June and maintain a blaze of color until frost. Pkt., 25c.

4669 St. John's Fire. Brilliant scarlet spikes in profusion. Dwarf, early and continuous bloomer. Pkt., 25c.

4671 Splendens. The well known popular scarlet sage. ⅛ oz., 60c; ¼ oz., $1.00; pkt., 20c.

4670 Zurich. Early, dwarf and compact with large brilliant flower spikes. Pkt., 25c.

Other Salvias

Culture: A or B, D or E, Page 58

4683 Farinacea Blue Bedder. 2½-3 ft. A true Wedgwood blue. It makes a splendid background for all other colors in the border, and can be dried as an Everlasting. Is especially handsome when grown behind a line of pink Petunias. Pkt., 20c.

4685 —Royal Blue. Upright growth and of more intense color than Blue Bedder, with dark stems. Fine bushy plants, nice long spikes for cutting, and true. Pkt., 20c.

See also Novelty and Perennial Pages.

4683 **SALVIA Farinacea** Blue Bedder (in Background). Pkt., **20c.**

5770 **VINCA WHITE** (in Foreground). Pkt., **10c.**

Runnerless Strawberry

4828 Baron Solemacher. This wonderful novelty has the largest berries in this strain It makes no runners flowers in eight weeks and produces quantities of fruit. Wash the berries, sprinkle with sugar several hours before using. The berries will almost float in juice. This brings out the flavor. Pkt., 25c.

Sanvitalia ☐ 6 in.

Creeping Miniature Zinnia

Culture: A or B, D or E, Page 58

4690 Procumbens. Like tiny Zinnias, golden with purple centers, single and double. The plants creep over the soil. June until frost. ⅛ oz., 25c; pkt., 10c.

Saponaria (Soapwort)

Culture: A or B, D or E, Page 58

4693 Vaccaria Alba. White.

4691 —Rose. 2 ft. Light graceful sprays of glistening pink flowers, somewhat like a "glorified" Gypsophila, produced in profusion.

4692 —Mixed. **Each of the above, pkt., 10c.**

Trachelium ☐ 1 to 3 ft.

Culture: D or E, Page 58

5656 Coeruleum. Large cloudlike heads of tiny heliotrope blue flowers resembling the Gypsophila produced in the fall from spring-sown seeds. Borne freely on branching stems. Pkt., 25c.

Scabiosa (Mourning Bride) □

Culture; A or B, D or E, Page 58

Sweet Scabiosas have a soft fragrance and add beauty to the garden picture. They are fast growing annuals and one of the most important for cut flowers. Blooms on long, slender stems, which are exceedingly graceful; known as the Pincushion Flower because the stamens of some varieties are light in color and stick out so that they resemble pins stuck in a cushion.

COCKADE TYPE 3 FT.

Has conical form with attractive depth of flower.

4703 Blue Cockade. Pure deep azure. **4706 Royal Cockade.** Salvia blue.

Each of above, pkt., 20c.

DOUBLE LARGE FLOWERING 3 FT. SPECIAL STRAIN

4714 Ageratum or Amethyst Blue.
4715 Azure Fairy. Azure blue.
4727 Loveliness. Salmon rose shades.
4729 Peachblossom. Peachblossom pink.
4732 Rosette. Deep rose suffused salmon.
4734 Salmon Beauty. Pure salmon.
4728 Shasta Improved. Enormous white.

Each of above, pkt., 15c; 3 pkts. for 40c.

4737 Vaughan's Mixture of Super-Scabiosa. The above and other charming varieties. ¼ oz., 60c; pkt., 25c.

4731 Blue Moon. See Novelties. Pkt., 15c.

STANDARD DOUBLE VARIETIES 2½ FT.

4725 Black Prince. Black purple.
4720 Cherry Red. Crimson.
4700 Golden Yellow. Sulphur yellow.
4710 Fiery Scarlet.
4730 Rose. Bright rose.

Each of above, pkt., 10c; 3 pkts. for 25c.

DOUBLE DWARF VARIETIES

4744 Heavenly Blue. A lovely azure-blue very early. Plants are dwarf, 18 in., bushy, suitable for bedding. Pkt., 25c.

4738 Peace. Flowers are 2 in. across, almost spherical; pure white. 2 ft Pkt., 25c.

4743 Dwarf Double Mixed. 1½ ft. Various colors. Do not require staking and are desirable for planting in front of the taller sorts. ⅛ oz., 35c; pkt., 10c.

See also Perennial Pages.

4740 SCABIOSA **Vaughan's Special Mixture.** Many new colors have been purchased for this and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. ¼ oz., 50c; pkt **10c**

4737 **SUPER-SCABIOSA,** Vaughan's Mixed. Pkt., **25c**

Stocks □

Culture: A or B, D or E, Page 58

STURDY flower spikes covered with rosette blossoms in soft colors of an exceptional tone range. Stocks require a rich soil of a sandy, well manured loam. Only 60 per cent will come double. Sow seed early in the house and transplant outside when all danger of frost is over. Stocks are a cool temperature crop.

Column—Non-Branching

An excellent new class producing one stem 2½ ft. thickly set with large, double flowers. The first flowers appear when the plant is about 14 inches high.

4950 Blue. Dark lilac blue.
4951 Chamois Pink.
4956 Silvery Lilac.
4961 Yellow Wonder. Best yellow.
4960 Rose Pink.
4957 White.
4955 Ruby.
4958 Mixed.
4953 Moonlight. Light yellow.

Price, each of the above, pkt., 25c.

4952 Double Giant Column Gardenia. Shimmering, glistening white, the flowers are the purest snow white of any stock variety yet introduced. Pkt., 50c.

4865 **STOCKS** Best Mixed. Pkt., **10c.**

Bismarck or Giant Imperial

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and thick flower stalks. The best variety for greenhouse use. 2½ ft.

4921 Buttercup. Yellow.
4946 Chamois.
4945 Blood Red.
4931 Dark Blue.
4944 Elk's Pride. Royal Purple.
4947 Flesh.
4930 Lilac.
4948 Golden Rose.
4929 Old Rose.
4932 Lavender.
4925 Shasta. White.

Price, each of the above, pkt., 15c.

4949 Bismarck Mixed. ⅛ oz., 50c; pkt., 15c.

Dwarf Large-Flowering Double Ten Weeks Stock 12 in.

4845 Blood Red.
4850 Light Blue.
4835 Canary Yellow.
4841 Rose Pink.
4856 Dark Blue.
4830 White.

Each of the above, pkt., 10c; any 3 pkts. for 25c.

4865 Best Mixed. ⅛ oz., 50c; pkt., 10c.

Schizanthus

Butterfly Flower or Poorman's Orchid □

Culture: A or B, D or E, Page 58

Beautiful bushy plants covered with dainty flowers handsomely marked with contrasting colors.

4754 Pansy Flowered (Danbury Park strain). Large blooms of Pansy shape, in rich pink, crimson, mauve, purple and white. Pkt., 35c.

4755 Dr. Badger's Hybrids. An extraordinary strain in many beautiful colors. Pkt., 25c.

4757 Vaughan's Excelsior Hybrids. A choice strain with very large flowers with handsome markings on white, buff, brilliant rose, blue and purple ground. Pkt., 25c.

4753 Vaughan's Dwarf "Masterpiece." This is to our knowledge the best strain of Schizanthus in existence. The plants grow dwarf and compact, making them most suitable for pot culture. The flowers vary from light pink to dark violet, all with conspicuous blotches. Pkt. (100 seeds), 50c.

SENSITIVE PLANT—See Mimosa Pudica.
SNAPDRAGON—See Antirrhinum.

4795 **RUSSIAN STATICE.** Pkt., **10c.**

Statice □

For Winter Bouquets

Culture: D or E, Page 58

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, and is indispensable in making winter bouquets.

4800 Bonduelli Superba. 3 ft. Producing numerous heads of bright yellow flowers. Pkt., 10c.

4793 Puberula. 4-6 in. Flowers 5 months after sowing; magnificent dark violet blooms. Pkt., 25c.

4795 Russian (Suworowii or Rat Tail). 30 in Flowers bright rose color. Dries well and can be used as an everlasting. ⅛ oz., 50c; pkt., 10c.

4801 Sinuata Rosea Superba. 3 ft. Pkt., 10c.

4808 —Lavender Queen. Clear bright lavender. Pkt., 10c.

4806 —New Hybrids. One of our growers has selected Art Shades, which we offer in a mixture for the garden and winter bouquets. Pkt., 15c.

4803 —True Blue (Kampf's Improved). Pkt., 15c.

4804 —Pure White. 3 ft. Pkt., 10c.

4805 —Mixed. 3 ft. Pkt., 10c.

5590 **Fragrant Varieties of Sweet Peas Mixed.** A mixture of the starred varieties noted in text. Large pkt., **25c**; oz., **65c.**

Early Spencer Sweet Peas

Culture: D or E, Page 58

A RACE of Sweet Peas, having the large waved flowers of the Spencer type but flowering fully one month earlier, and for a much longer period. This class is recommended for all sections where spring is late, as they give flowers before the summer heat arrives. **★Varieties preceded by star are fragrant.**

Nitragin for inoculating Sweet Pea Seed, Garden Size Packet, **10c.**

Collection No. 5600. One Packet Each, Sweet Peas, Early Flowering Spencer
American Beauty, Apollo, Daphne, Laddie Improved, Mariner, Orange King, Sequoia, Triumph, Twilight and White Champion for..... **75c**

Any of the packets below, 10c each; 3 packets for 25c.

5343 **American Beauty.** Crimson-rose on white.
5345 **★Amethyst.** Royal purple.
5346 **Apollo.** Soft salmon cerise.
5353 **Bacchus.** Rich red maroon.
5354 **★Blue Bird.** Violet-blue.
5352 **Boon.** Deep salmon-pink.
5347 **Bridesmaid.** Silvery pink.
5348 **Burpee's White.**
5367 **Daphne.** Soft salmon-pink on cream ground.
5411 **★Fragrance.** Large frilled lavender.
5408 **Fiesta.** Almost deep enough to be an orange scarlet, definitely sunproof.
5415 **★Gardenia.** Fragrant white.
5416 **★Giant Rose.** Extremely large rose-pink.
5430 **Grenadier.** Dazzling scarlet.
5438 **★Harmony.** Lavender.
5470 **★Laddie Improved.** Light rose-pink.
5495 **★Mrs. Herbert Hoover.** Clear deep blue.
5486 **Mariner.** Mauve.
5500 **Orange King.** Glowing orange.
5501 **Oriental.** Deep cream, black seeded.
5522 **Redwood.** Bright rich crimson.
5529 **Sequoia.** Rich golden salmon-cerise.
5539 **Snow Queen.** Pure white, black seeded.
5548 **Tahoe.** Large wavy flowers, chicory blue.
5552 **Triumph.** Lovely soft lilac mauve.
5554 **Twilight.** Medium clear lavender, large flowered and long stemmed.
5553 **Treasure Island.** A sparkling golden orange.
5555 **Valencia.** Bright orange, sunproof.
5560 **White Champion.** Long stemmed, pure white flowers.
5561 **★White Harmony.**

For PERENNIAL SWEET PEAS— See Lathyrus Latifolius on Perennial Pages.

5595 **Vaughan's Special Mixture, Early Flowering Spencers.** All the varieties listed and many others. 4 oz., $1.50; 2 oz., 90c; oz., 50c; pkt., 15c.

5320 **Vaughan's Special Mixture, Late Spencer.** Named late flowering Spencer, varieties growing wonderful blossoms for a long period. ¼ lb., 60c; oz., 25c; pkt., 10c.

Heat Resisting Summer Flowering Spencer

The introduction of these spring flowering or heat resistant varieties greatly prolongs the flowering period of Sweet Peas especially where the summers are very warm. The stems are longer than the early flowering varieties and the flowers come earlier and last longer.

5275 **Blackseeded White Improved.**
5278 **Blue.**
5276 **Clear Pink.**
5279 **Lavender.**
5277 **Rose Pink.**
5282 **Light Blue.**
5280 **Light Lavender.**
5281 **Mauve.**
Each of above, pkt., 20c; 3 pkts., for 50c.
5285 **Mixed Heat Resisting New Early Flowering.** ½ oz., 60c; oz., $1.00; pkt., 20c.

Scarlet Runner Emperor ☐

Culture: A, D or E, Page 58

4766 **Bean.** A stunning annual climber with sprays of brilliant red flowers like pea blossoms. The pods are edible. Good for arbors and fences. Pkt., 10c

GIFT CERTIFICATES

Vaughan's Gift Certificates are available in any amount and redeemable at any time for our Merchandise.

Annual Sunflowers

HELIANTHUS Large Flowered ☐

Culture: A or B, D or E, Page 58

2700 **Gaillardia-flowered or Red Sunflower.** 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow, still others slightly washed with red. Pkt., 10c.
2709 **Chrysanthemum Flowered Double.** 3 to 4 ft. Select double golden yellow flowers. Pkt., 10c.
2703 **Maroon Prince.** Single best red. Pkt., 15c.
2713 **Sun Gold.** See Novelty Pages for illustration and description. Pkt., 15c.
2725 **Russian Mammoth.** 8 ft. Single, of gigantic dimensions. The Kansas Sunflower. Some of our friends grow these for support for their pole beans. Lb., 40c; ½ lb., 30c; ¼ lb., 20c; 1 oz., 10c.

Miniature-Flowered

2750 **Cucumerifolius Stella.** Purest golden yellow flowers, the petals of which are slightly twisted. Pkt., 10c.
2755 **—Vaughan's Special Mixture.** Includes many Cucumerifolius sorts not listed. Pkt., 10c.

2760 **Vaughan's Special Mixture.** Of all the single and double Sunflowers we list and several varieties we buy especially for this mixture. ½ oz., 25c; pkt., 10c.

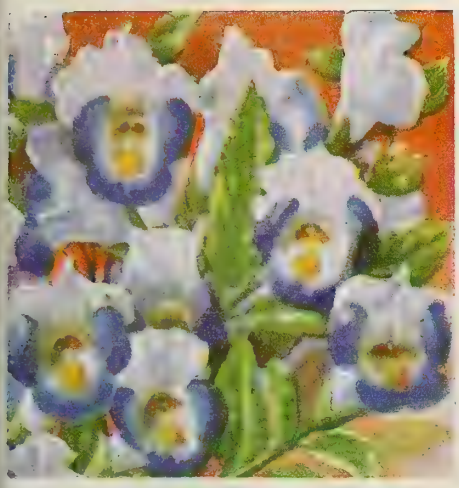
Texas Queen Anne's Lace ☐

Culture: A or B, Page 58

5638 Large heads of tiny white flowers of lace-like appearance. Resembles Queen Anne's Lace of our roadsides, but more refined. Grows 3 to 5 ft. tall. Pkt., 10c.

5285 **SWEET PEAS.** Heat Resisting Summer Flowering Spencer Mixed. Pkt., **20c.**

VIOLA CORNUTA. 5805 Yellow Gem. Pkt, **20c.** 5790 Blue Perfection. Pkt., **15c.** 5806 White Perfection. Pkt., **15c.** 5804 Chantreyland. Pkt., **25c.**



5645 **TORENIA** Fournieri. Pkt., **15c.**

Torenia (Wishbone Flower) □

Culture: D or E, A or B, Page 58

5645 Fournieri. Bushy globular plants literally covered with the lovely, richly-colored Snapdragon-like flowers of a delightful sky-blue with a touch of gold on the lip. Grown in southern states instead of Pansies. Excellent for rock gardens, pots and hanging baskets. Pkt., 15c.

Tahoka Daisy □ 20 in.

Culture: A or B, D or E, Page 58

5635 A beautiful lavender-blue Daisy with fern-like foliage. Carried on good long stems, the flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt., 25c.

Thunbergia (Golden Glory Vine)

Culture: D or E, A or B, Page 58 □ 5 ft.
Germination 3-4 Weeks

5640 Alata, Mixed (Black-Eyed Susan). A lovely plant with large showy flowers. Forming a dense mat of foliage and flowers. Colors range through yellow, orange, buff, to pure white, mostly with jet-black centers, or eyes. Seed germinates slowly. ¼ oz., 50c; pkt., 10c.

5639 Gibsoni. Glistening green ivy foliage and flowers of glowing orange. Pkt. (15 seeds), 35c.

5655 TRITOMA Hybrida Mirabilis (Red Hot Poker Plant). A perennial that blooms the first year. Pkt., 15c.

5648 —Miracle Mixed. ① Showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems. This mixture is made up from twelve to fifteen different colors from named varieties. Require protection during winter, unless in a very sheltered position. Pkt., 25c.

Free Flowering Violas □

Culture: A or B, Page 58

BECAUSE of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries, where their dwarf spreading habit is welcomed. They continue flowering all summer.

CORNUTA TYPE

5790 Blue Perfection. Light blue. Pkt., 15c.

5804 Chantreyland. Apricot. Pkt., 25c.

5790A Chinese Blue. A round-faced type. According to the Royal Horticultural Chart, is French Blue. It is the nearest substitute to the famous Viola Maggie Mott. Pkt., 25c.

5809 Ilona. Wine red. Pkt., 25c.

5802A King Henry (Purple King). A deep purple violet with lighter center and yellow eye. Pkt., 25c.

5796 Jersey Gem. Flowers of rich pure violet, large, fragrant, flowering persistently all summer. Pkt., 25c.

5806 White Perfection. Finest white. Pkt., 15c.

5795 Nosegay. A blend of bright gay colors, red, yellow, blue and apricot, combined with many blotched combinations. Pkt., 25c.

8582 Super Large Flowering Scotch. The Scotch have been great fanciers of Violas and this is a strain they have greatly improved. The flowers are large, all two toned without blotches and have a complete color range. Pkt., 25c.

Miscellaneous Violas

5797 Johnny-Jump-Up or Viola Tricolor. Also known as "Ladies' Delight" and "None so Pretty." They are more hardy than their relative the Violas and if allowed to seed will carpet a Rose or Iris bed with a mass of flowers early in May. They bloom all season. Purple, blue and yellow are the three colors that give them their name and the combinations are variable. Pkt., 25c.

5811A Nigra or Black Imp. Quaint little flowers that might have been snipped from black velvet, come true from seed. May be naturalized effectively. Blooms quickly first year from seed. Pkt., 25c.

5805 Yellow Gem. Free flowering clear yellow of compact habit, reproduced nearly true from seed. Pkt., 20c.

CORNUTA HYBRIDS (Large Flowers)

5787 Arkwright Ruby. Bright ruby crimson shaded terra-cotta; fragrant. Pkt., 25c.

5789 Blue Butterfly. Vivid mid-blue shading to white in the upper petals. Pkt., 25c.

5798 Lutea Splendens. 8 in. Bright yellow. 10c.

5813 VIOLA Vaughan's Special Mixture. A charming and delightful mixture of these bright and everblooming Violas in a complete color range, shading from pale lavender to rich purple-black, yellow, white, terra-cotta, apricot and rose. Pkt..... **25c**

5642 **TITHONIA** Avalon. Pkt., **25c.**

Golden Flower of the Incas TITHONIA □ 8 ft.

Culture: D or E, Page 58

5642 Avalon Earliest. The blossoms range from orange topaz through tangerine. Sow where the plants are to stand, after the soil is warm. By mid-July the plants will be in bloom. Pkt., 25c.

VERBESINA ENCELIOIDES—See Butter Daisies.

Vinca Rosea (Periwinkle) □

Culture: D or E, Page 58

Free-flowering annual bedding plants of bushy growth with dark green glossy foliage and large single round flowers. It is immune from insect attacks and blooms over a long period. Height 1 foot.

Culture. Sow seed after last frost in open ground and thin to 1 foot apart or sow inside and transplant after all danger of frost is over.

5770 White. **5772 White with Eye.**
5771 Delicata. Soft pink. **5773 Pink.**
5774 Kermesina. Bright red, dark green leaves with red stems.

Each of the above, pkt., 10c.

5769 Twinkles. Large flowers of an unusual soft blush pink with a bright red eye. Pkt., 15c.

5775 Mixed. Pkt., 10c.

5730 **VERBENA** Vaughan's Best Mixture. Pkt., **15c.**

Verbenas □

Culture: D or E, A or B, Page 58

These are colorful annuals for some sunny spot in the border. In bloom continuously. They make gay bouquets for table decorations. Do not sow the seed outdoors until the soil gets warm (May 15th to June 1st). May also be started earlier indoors to advantage. Grows only 6 to 12 inches tall but spreads to 2 feet across.

HYBRIDA Gigantea 1 ft.

A magnificent strain of Verbenas, of robust habit, the individual florets measuring an inch in diameter.

5701 **Gigantea Alba.** Pure white. Very fragrant.

5699 **—Appleblossom.** Delicate cameo pink.

5698 **—Brightness.** Bright rosy cerise scarlet, large white eye, semi-compact.

5700A **—Brilliant.** Rich deep flame rose with white eye.

5702 **—Cerise Queen.** Salmon cerise.

5722 **—Crimson Glow.** A pure glowing crimson.

5701A **—Etna.** Geranium-red, with a cream eye.

5718 **—Lavender Glory.** A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.

5703 **—Lucifer.** Vivid scarlet self.

5704 **—Luminosa.** Luminous flame-pink to salmon.

5709 **—Miss Willmott.** Salmon-rose, white eye.

5706 **—Rosea Stellata.** Pink, white eye

5719 **—Royale.** Royal blue, creamy yellow eye.

5710 **—Spectrum Red.** Intense bright red.

5717 **—Sutton's Giant Pink.** Salmon-pink, light eye.

5707 **—Violacea Stellata.** Deep violet, white eye.

Each of the above, pkt., 15c; any three 15c pkts. for 35c.

5708 **Gigantea Mixed.** A wonderful mixture of large flowering varieties. Pkt., 15c.

5727 **Golden Queen.** The best yellow so far introduced. Medium sized cream colored flowers. Pkt., 15c.

5711 **Beauty of Oxford Hybrids.** A beautiful giant strain. Color shades from clear rose-pink to rose-red, making this the brightest rose Verbena ever produced from seed. Florets easily cover a silver half dollar. Pkt., 15c.

5712 **Floradale Beauty.** Beauty of Oxford type of rose shades, salmon-rose predominating. Pkt., 15c.

5713 **Royal Bouquet, Finest Mixed.** Upright, large flowers, auricula eyed, brilliant mixed, especially good for pot culture. Pkt., 15c

5729 **Red, White and Blue Mixture** A mixture of large flowered Verbenas in red, white and blue are carefully blended in equal proportions. The effect is not only patriotic, but artistic. Pkt..... **15c**

5730 **VERBENA** **Vaughan's Best Mixture.** Includes all the Hybrida and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the summer. ⅛ oz., 50c; large pkt., 25c; pkt..... **15c**

Various Verbenas

Culture: D, E or C, Page 58

5755 **Erinoides.** 12 in. Moss-like foliage spreads over the ground like a carpet, purplish-blue blossoms in lavish profusion. Blooms until frost. Pkt., 10c.

5751 **Fern Leaved (Bipinnatifida).** Plants grow 18 inches, spread over two square feet, with ferny, feathery gray-green foliage; covered by clusters of lavender-blue flowers, resembling sprays of lilac Candytuft. Pkt., 25c.

2973 **Lace Verbena (Zaluzianskya Villosa).** Individual florets grow about ½ inch across and are so shaped as to resemble a snow crystal; most interesting and unusual. They are of a pleasing lavender color distinctly set off by a star-like spot of orange at the center. Low spreading plants 8 inches high. Long blooming season. Pkt., 20c.

5765 **Venosa.** 1 ft. Largely used for bedding: covered with bright rosy heliotrope flowers. Sow in March in clear sand for quick germination. Blooms until frost, hardy with protection. An interesting combination when used with Marigold Harmony. Pkt., 10c.

5766 **—Lilacina.** 1 ft. Resembles Venosa, but with blossoms of lavender-blue. Hardy with protection. Pkt., 25c.

8566A **Bonariensis.** ① 4 ft. A grand perennial that blooms from seed the first year for the herbaceous border or for cutting. Sweet scented rosy lavender flowers on long stiff stems. Pkt., 15c.

5750 **Lemon-Scented.** ÷An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Pkt., 25c.

5778 **VISCARIA** Mixed. Pkt., **10c.**

5852 **XERANTHEMUM** Superbissima. Mixed. Pkt., **20c.**

5658A **VENIDIUM** Fastuosum Hybrids. Pkt., **25c.**

Venidium □

Culture: D or E, Page 58

5658 **Fastuosum.** 2 to 3 ft. Above the grayish silky foliage rise numerous orange flowers marked with a purple-black zone averaging four to five inches across. Treat as a half-hardy annual, sowing in March or April, as germination is difficult earlier. Plant in sunny position. Pkt., 25c.

5658A **Fastuosum Hybrids.** 2-3 ft. A race with colors from pure white through ivory, yellow and buff, set off by glistening black centers with maroon markings at base of petals. Pkt., 25c

Viscaria □

Culture: D or E, Page 58

Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting.

5776 **Blue Bouquet.** 1 ft. Large blue. Pkt., 10c

5782 **Blue Pearl.** It is a pure lavender blue without an eye. Pkt., 10c.

5784 **Dwarf Fiery Red.** Large single bright red flowers. Pkt., 15c.

5778 **Mixed.** 1 ft. Pkt., 10c.

5779 **Dwarf Mixed.** 8 in. Pkt., 10c.

Wallflower ÷18 in.

Culture: D or E, Page 58

Wallflowers excel in adaptability for pot culture and out-door bedding and their fragrance and oriental coloring, rich reds and yellows. In the Northern states they should be wintered in cold frames.

5820 **Single Mixed.** Pkt., 10c.

5825 **—Annual Blood-Red.** Pkt., 10c.

5835 **—Annual Mixed.** Pkt., 10c.

5832 **Annual Double Mixed.** A fine pot plant, will bloom first year from seed, if sown early. Pkt., 15c.

Wild Cucumber □ =

Culture: A or B, D or E, Page 58

5847 Quickest growing climber on our list. It is thickly dotted over with white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Sown on banks it will act as soil binder. If sown along a wire fence the vines will soon cover it and the dainty white flowers will make it a lovely sight for a long time. 1 oz., 25c; ½ oz., 15c; pkt., 10c.

Xeranthemum (Everlasting) □ 2 ft.

Culture: D or E, Page 58

5852 **Superbissima.** One of the loveliest of the everlastings, with flowers which retain their brilliant colors remarkably well when dried, this double pompon flowered Xeranthemum may also be used as a cut flower when fresh. It makes delightful arrangements in small bowls. Pkt., 20c.

6175 **ZEA Japonica Quadricolor Perfecta (Rainbow Corn).** Striped and colored foliage; small ears, dark colors. Pkt., 10c.

Small and Medium Flowered Zinnias

Culture: A or B, D or E, Page 58

THEY bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants and cut flowers.

6126 **ZINNIA,** Vaughan's Midget Mixed, **15c.**

Midget Zinnias

6126 Vaughan's Mixture of Midget Zinnias. Includes more than fifteen varieties, all delightful, charming in the garden and of just the size to make attractive table arrangements. Many of your friends will never recognize them as Zinnias. Easy to grow and always covered with bloom. ⅛ oz., 35c; ¼ oz., 60c; pkt., 15c.

6125 Mexicana Fl. Pl. Hybrids. 16 in. Double flowers in various shades of brown and orange. 10c.

6115 Mexicana or Miniature. Flowers small and showy. Daisy-like in form, range in color from yellow to mahogany red, free flowering. Excellent for decorative bowl arrangements. Pkt., 10c.

Cupid Type. The smallest of all. 1 ft.

Compact plants of bushy habit. Each upright stem bears a flower 1 in. in diameter. Ideal for cutting and for use in miniature vases.

6025 Cupid Mixed. ⅛ oz., 35c; pkt., 10c.

6172 Navajo Mixed. 18 in. Flowers abundant, of medium size, scarlet, orange and other hues suggesting Navajo Indian decorations. Pkt., 15c

6071 **ZINNIA** Pompon Lilliput Black Ruby. Pkt., **10c.**

Coulee Dam, Wash., Jan. 21, 1944

I would like you to know what wonderful success I had with the Round Table Mixture of Delphinium seed. I got 80 plants from 100 seeds and the ones I transplanted bloomed in four months from seed. They were the most gorgeous I have ever seen.

Mrs. L. R. E.

6173 Vaughan's Novelty Mixture. All the new types of Zinnias, such as Fantasy, Navajo, Striped and others, which are rich in color combinations and unusual forms of high decorative value, which make them valuable for cut flowers. All have small or medium flowers and are suitable for low bowl arrangements. They also give excellent border effect in the garden. Pkt., **25c**; 3 pkts., 65c.

6105 **ZINNIA** Pumila, Vaughan's Special Mixed. Pkt., **10c.**

6110 **ZINNIA** Red Riding Hood. Pkt., **10c.**

A Favorite Border Plant

6110 Red Riding Hood. 1 ft. Of compact form, covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. A customer writes: "Just imagine clumps of little red flowers, with maybe a hundred blooms. They have been in flower all summer through the heat and drought. They make buds as soon as they get started and keep merrily on their way." Oz., $1.50; ¼ oz., 50c; ⅛ oz., 30c; pkt., 10c.

Pompon (Lilliput) or Baby Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers. They bloom all summer. 12 to 15 in.

6071 Black Ruby. Rich deep maroon.
6052 Bright Pink. **6064 Purple.**
6073 Canary Yellow. **6065 Salmon Rose Gem.**
6061 Crimson Gem. **6066 Scarlet Gem.**
6053 Dainty Gem. See Novelties for description, and illustration. Pkt., 25c.
6062 Golden Orange. **6067 White Gem.**
6068 Rose Bud. Rose-pink.
6069 Valencia. A real deep burnt orange.

Each of above, except Dainty Gem, pkt., 10c; any 3 pkts., 25c

6075 Lilliput Vaughan's Special Mixed. All above and others. Oz., $1.50; ¼ oz., 50c; pkt., 10c.

6070 Lilliput Pastel Mixture. 15 in. A carefully chosen mixture of pastel tints of yellow, pink, rose and orchid. They flower in 45 days. Pkt., 15c.

Pumila Double 18 in.

"Cut and Come Again"

On bushy plants 18 inches tall, fully double flowers are borne in abundance. The flowers average two inches across, and are held above the foliage on stout stems. They make fine border plants, registering color well. They are also fine cut flowers.

6080 Snow Ball. **6095 Fire Ball.**
6085 Golden Ball.
6097 Pinkie. Rose-pink.
6098 Spun Gold. A delicate butter-yellow or deep primrose, fine form.
6100 Watermelon Pink. A very pleasing and charming shade of salmon-rose.

Each of the above, pkt., 10c; 3 pkts. for 25c.

6105 Pumila Vaughan's Special Mixed. Oz., $1.25; ¼ oz., 35c; pkt., 10c.

6127 **ZINNIA** Linearis. Pkt., **15c.**

6127 Linearis. 10 in. The flowers, with a single row of petals, are one and one-fourth inches in diameter; at first each golden orange petal carried a greenish stripe down the center and a greenish tip, but as the flower developed, the green turned to light yellow, making a pleasing contrast with the orange of the outer portions. The quarter-inch orange center cushion turned dark as the flower developed. Early flowering. Pkt., 15c

ZINNIAS Giant Dahlia Flowered
6133 Crimson Monarch. Pkt., **15c.**
6135 Exquisite. Pkt., **15c.**

5891 **ZINNIA,** Giant David Burpee. Pkt., **15c.**

6134A **ZINNIA** Giant Dahlia Flowered Eldorado. Pkt., **15c.**

Dahlia Type Zinnias

6171 6 PACKETS, CATALOG VALUE 90c.
One each of Crimson Monarch, Polar Bear, Illumination, Oriole, Royal Purple and Eldorado prepaid. **50c**

Zinnias are heat loving plants, and seed should not be sown until the ground and atmospheric conditions are warm. If grown in a sunny spot in well fertilized soil and watered freely, the flowers will be more completely double.

Giant Dahlia Flowered Zinnias 2 to 3 ft.

Culture: A or B, D or E, Page 58

The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers often 4 inches in depth and 6 inches in diameter, resembling Show Dahlias.

6131 **Canary Bird.** A delicate shade of primrose.
6133 **Crimson Monarch.** Rich crimson, largest and best of red shades.
6131A **Crown of Gold Desert Gold.** Deep golden-yellow at the base of each petal, with light or deeper gold at the tip.
6134 **Dream.** A fine, deep lavender, turning to purple (Mallow Purple).
6134A **Eldorado.** Salmon apricot.
6135 **Exquisite.** Color light rose with center a deep rose.
6137 **Golden Dawn.** Beautiful shade of golden-yellow with red center.
6136 **Golden State.** A very rich orange-yellow. Yellow in the bud, turning to an attractive orange when in full bloom.
6130 **Illumination.** A striking self-color of deep rose.
6130A **Luminosa.** Bright deep pink.
6142 **Meteor.** A rich glowing deep red, darkest of all red shades.
6138 **Oriole.** An immense orange and gold bicolor.
6139 **Polar Bear.** A very large pure white, the best white.
6143 **Royal Purple.** A deep rich reddish purple.
6141 **Scarlet Flame.** Bright scarlet.

Each of above . . . . . Any four pkts., 50c; pkt., 15c

6145 **Giant Dahlia Flowered, Gold Medal Mixed.** All the above and others, including a bewildering variety of delightful colors, all giant flowers. A very charming and delightful surprise will result if you plant this . . . . . Oz., $1.50; ¼ oz., 50c; pkt. **15c**

Giants of New Race

5891 **Zinnia David Burpee.** 4 ft. This is a distinct strain of giant flowers which is full of surprises, all of a pleasant nature. While giant flowers of the shaggy Fantasy type are most numerous, other forms are frequent; and colors include cream, chamois, buff, rose, burnt-orange, terra cotta, apricot and some two-toned. All are interesting, some exciting; a "surprise garden mixture" all by itself. Plants grow vigorously and flowers have long, wiry stems. Pkt., 15c.

6170 **Vaughan's Special Mixture of all Giant Sorts** including the cream of the Dahlia Flowered and California Giants mixed. Producing a mass of color . . . . . Oz., $2.00; ¼ oz., 60c; pkt., **25c**

New Type Zinnias

6159 **ZINNIA,** Scabiosa Flowered Mixed. Pkt., **15c.**

New Crested Type

Scabiosa Flowered or Harmony 2½ ft.

6159 Mixed. On a single corona of outside petals stands a crown of small florets similar in form to the flowers of the Scabiosa. ¼ oz., 60c; pkt., 15c; 3 pkts., 40c.

6160 Autumn Tints Mixed. This strain comes true in all the gorgeous autumn tints, including orange to terra-cotta. Pkt., 15c.

5908 **ZINNIA,** Fantasy Mixed. Pkt., **15c.**

Fantasy, Shaggy Type

2½ ft. Shaggy ray-like petals, like Cactus Dahlia.

5912 Orange Lady. Bright deep orange.

5911 Rosalie. Intense rose.

5909 Star Dust. Deep golden yellow.

5913 White Light. Pure white.

5914 Wildfire. Rich dazzling scarlet.

Each of the above, pkt., 15c; 2 pkts. for 25c.

5908 Mixed. A bright colorful mixture of shaggy petaled double flowers. ¼ oz., 60c; pkt., 15c.

California Giants

They are larger than Colossal and a cross between them and the Dahlia Flowered types. They have smaller flat centers with more loosely placed petals. The petals are decidedly imbricated and the flower graceful. Grow 3 to 4 ft. tall.

6161 Brightness. A bright, deep rose.
6164 Cherry Queen. Beautiful orange rose.
6162A Crimson Queen. Best crimson.
6161A Daffodil. Canary yellow.
6162 Enchantress. Giant flowers of light rose pink, early.
6146 Grenadier. A very dark red.
6168 Isabellina. Cream yellow.
6147 Lavender Gem. A good clear lavender.
6164A Lemon Queen. Lemon orange.
6163 Miss Wilmott. Soft pink.
6151 Orange King. Rich, deep orange.
6167 Pink Profusion. Delicate shrimp pink.
6153 Purity. A clean pure white.
6166 Rose Queen. Warm, deep rose, outstanding.
6154 Salmon Queen. Salmon rose.
6165 Scarlet Queen. Glowing scarlet.
6149 Violet Queen. Deep purple.

Each of the above, pkt., 15c; any 4 pkts. for 50c.

6156 California Giants Vaughan's Special Mixed. Made from a carefully prepared formula with due regard to color harmony and will make a gorgeous showing in beds or borders. Oz., $1.50; ¼ oz., 50c; pkt., 15c.

6157 Indian Summer Mixture. Bright and warm colors only of the Dahlia Flowered and California Giants. Pkt., 15c.

5901 Super Crown of Gold Pastel Tints. Strictly a mixture of pastel tints and contains a wide color range including soft yellow, old gold, light pink, apricot pink, various salmon shades, peach, and buff, lively cerise salmon as well as pure white and cream. All the flowers carry the deep golden yellow base of the Crown of Gold types and the individual color at the tip. Midway between Dahlia Flowered and California Giants as to type. Pkt., 25c

ZINNIAS California Giants

6163 Miss Wilmott. Pkt., **15c.**
6164A Lemon Queen. Pkt., **15c.**
6166 Rose Queen. Pkt., **15c.**

Perennial Flower Seeds and Plants

NOTE—All plants are F. O. B. Cleveland, Ohio. Postage must be added to cover cost of transportation at rates noted on page 104, or they will be sent express at buyer's expense.

7073 × **ANCHUSA** Myosotidiflora. Pkt., **35c.**

Anchusa (African Forget-Me-Not) ① □

Culture: B, D or E, Page 58

Anchusas provide some of the few really blue flowers of our garden.
They do best in a deep, well drained soil, in a sunny position. All are excellent bee plants.

7070 Italica, Dropmore Variety. 5 ft. June-July. Gentian flowers. Pkt., 15c.

7069 —Lissadell. 6 ft. Large, gentian-blue. 25c.

7071 —Feltham Pride. Bright blue, Pkt., 25c.

7068 —Morning Glory. 5 ft. Buds appear a rosy mauve but turn to clear blue as they open. Pkt., 25c.

7073 × Myosotidiflora. 1 ft. April-May. A lovely perennial which blossoms with the late Tulips, forming a mound of attractive foliage almost hidden by pale blue Forget-Me-Not blossoms held above the foliage on straight stems. Germination is slow and fall sowing in an open seed bed gets good results. Pkt. (50 seeds), 35c.

Aconitum (Monkshood) ①

Culture: C, Page 58

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates slowly. They should not be moved when once established, and require a mulch in winter. The roots are poisonous.

7026 Barker's Variety. Flowers are amethyst blue, considerably darker than Wilsoni. Pkt., 25c.

7025 Wilsoni. 6-7 ft. Sept.-Oct. Tall, autumn flowering, mauve, fine for cutting. Pkt., 15c.

7114 **ANTHEMIS** Perry's Variety. Pkt., **25c.**

It is fascinating to grow your own perennials from seed. We recommend sowing perennial seeds in spring. Seed germinates better in the cool weather than in the heat of midsummer, and the long growing season produces larger plants that winter over more successfully. The majority of these perennials bloom the second year from seed, although some, like Coreopsis and Gaillardia, if sown early, bloom the first year. Plants can be raised in beds and transplanted, or the seed may be planted directly in your perennial garden. The great charm of perennials lies in their permanence; once established they are a constant source of pleasure. Items preceded by × are rock garden subjects.

Plants by Parcel Post

If to be sent by parcel post, add postage for most zones as follows: Single plants, 12c; 3 plants, 16c; 6 plants, 20c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

No C.O.D. Shipments

Plants by Express

We recommend this mode of transit where quantities are 12 plants or over. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

7195 **ARABIS** Alpina Rock Cress. Pkt., **10c.**

Arabis (Rock Cress) ①

Culture: D or E, Page 58

Spreading dwarf, spring-flowering plants. They do well in any soil, but need plenty of sun.

7195 × Alpina. 1 ft. April. Pure white. Pkt., 10c.

7198A × —Snow-cap. Dwarf and compact habit; really shining, snow-white cushions of flowers. Pkt., 15c.

7197 × —Rosea. 1 ft. May. Compact rosettes of foliage and pink flowers. Pkt., 35c.

Culture: B, D or E, Page 58

7061 AMSONIA Tabernaemontana. ① 2-3 ft. Free flowering perennial, long stems, with willow-like foliage and lovely heads of light blue flowers in panicles. Especially good for cutting and hardy border. Pkt., 25c.

Anemone (Windflower) ①

Culture: B, C, D or E, Page 58

This interesting family furnishes a remarkable variety of showy garden subjects. Seeds germinate slowly. Flower in the spring.

7080 × Coronaria St. Brigid's Strain. May-June. Double and single mixed. 12 in. A beautiful selection in a wonderful array of colors. Pkt., 20c.

7079 —Syphide Blue. Light purple. Pkt., 15c.

7090 × Pulsatilla (Pasque Flower). 1 ft. April-May. Flowers varying from lilac to purple. Pkt., 10c

ASTER Harrington's Pink. **Plants,** 3 for **$1.50;** doz., **$4.75:** each, **60c.**

New Hardy Asters ①

Culture: B, D or E, Page 58

If you have ever seen the glorious effects of a mass planting of these hardy perennial Asters, you will not fail to make a planting of them in your garden. They are among the showiest of our late flowering hardy plants, giving a wealth of bloom in late summer and fall, a season when most other perennials are past blooming. For best effect they should be planted in masses of one color.

Beechwood Challenger. (New). 2½ ft. Darkest red of all. 3 for $1.50; doz., $4.75; each, 60c.

Frikarti (Wonder of Stafa). 2 ft. Amellus type. Large sky-blue flowers in profusion from September till late October. A famous and valuable variety. 3 for $2.00; each, 75c.

Harrington's Pink. First true pink hardy Aster. Large flowers of luminous true pink, first of this color on bushy plant. 3 for $1.50; doz., $4.75; each, 60c.

Little Pink Lady. Medium dwarf grower, height about 14 inches. Produces fine pink flowers, which due to their pleasing shade, blend very nicely with other flowers in the garden 3 for $1.50; doz., $4.75; each, 60c.

Royal Blue. A deep blue in color which to date has been lacking in the Hardy Asters. Produces very showy large flowers in myriads. Height 3½ feet 3 for $1.50; doz., $4.75; each, 60c.

Strawberries and Cream. When the flowers first open they appear as a deeper pink and these with the softer pink open flowers make a lovely combination of color. Height 4 feet, blooms the end of September. 3 for $1.50; doz., $4.75; each, 60c.

Aster Collection. One of each of Little Pink Lady Royal Blue and Strawberries and Cream for..... **$1.50**

DWARF ALPINES

7226 Alpinus Goliath. Indispensable for the rockery or edge of hardy borders; 6 to 10 inches high, and bears large, showy, bluish purple flowers in May and June. Plant in full sun. Pkt., 25c.

7225 Perennial, Large-Flowering Mixed. 3-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c.

Anthemis (Marguerite) ①

Culture: B, D or E, Page 58

Free-flowering perennials with attractive cut foliage and large Daisy-like flowers. Need full sun.

7110 Kelwayi. 2 ft. Daisy-like lemon-yellow blossoms, all summer. Excellent for cutting. Pkt., 10c

7112 Sancta Johannis. 1½ ft. Clear golden yellow flowers. Pkt., 25c.

7114 Tinctoria, Perry's Variety. 2 ft. Large lemon-yellow Daisies in bloom all summer. Pkt., 25c

Moonlight. Fine pale yellow Anthemis, excellent for cutting. Plants keep within bounds. **Plants,** 3 for $1.35; doz., $4.25; each, 55c.

Bocconia ①

Culture: B, D or E, Page 58

7240 Cordata (Plume Poppy). 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery under surface and flower plumes of a pretty cream color. Pkt., 10c.

7310 **CAMPANULA** (Canterbury Bells) Single Mixed. Pkt., **10c.**

Alyssum (Madwort) ①

Culture: B, D or E, Page 58

Showy free flowering spring-blooming plants, valuable for front row in border or rock garden.

7055 × Saxatile Compactum (Basket of Gold). 9 in. Almost as soon as winter is over Alyssum Saxatile Compactum becomes a mass of yellow gold; a fine companion to spring bulb flowers. Pkt., 10c.

7056 × —Compactum Sulphureum. Lovely pale lemon colored flowers. Very effective with lavender or pink Tulips. Pkt., 15c.

7059 × Serpyllifolium (Alpestre) Thyme-leaved. 3-4 in. Gray leaves, pale yellow flowers, excellent for dry, sunny positions. Pkt., 15c.

Armeria (Thrift, Sea Pink) ①

Culture: B, D or E, Page 58

Dwarf-growing perennials with grassy leaves and a tufted habit of growth. The flowers are borne in globular heads during May and July.

7205 × Alpina. 3 in. July. Deep rose. Pkt., 10c.

7217 × Bee's Ruby. A giant flowered type with deep glowing ruby blooms on stout 12-inch stems. Pkt., 25c. **Plants,** 3 for $1.50; doz., $4.75; each 60c.

7211 × Formosa Large Flowering Hybrida. 24 in. Shades of pink. Blooms early summer. Pkt., 15c.

7206 Glory of Holland Giant Pink. Improved variety bearing clear, deep pink flowers the size of a silver dollar on straight stems of 24-inch height, in large profusion all summer. Fine for cutting. Pkt., 25c.

Artemisia

Silver King, 3 ft. Its striking gray stems and leaves and rapid branching habit stamp it as unique among foliage plants. The flowers are insignificant, but it makes up for this lack by its slender ghost-like appearance. **Plants,** 3 for $1.50; doz., $4.75; each, 60c.

Asclepias (Butterfly Weed) ①

Culture: B, D or E, Page 58

7220 Tuberosa. 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers with purplish stems and hairy leaves. Seed pods if gathered just as they begin to open and brought into the house and placed in a vase, soon open and develop into an attractive everlasting. Pkt., 15c.

Aubrietia ①

Culture: B, D or E, Page 58

One of the daintiest and most delicately beautiful of all dwarf creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. A gem for planting in crevices of rocks or wall, forming a cataract of color. 6 in.

7232 × Graeca. Light blue, dwarf. Pkt., 25c.

7233 × Leichtlinii. Large-flowered, rosy lilac. Pkt., 25c.

7230 × Large-Flowered Hybrids, Mixed. A wonderfully fine strain, good range of colors. Pkt., 25c

7232A New Giant Flowered. Monarch Strain. All full petaled types equal to the best named varieties. Vastly superior in size and color range to any other strain raised from seed. Pkt., 35c.

7234 Whitewell Gem. Glowing rosy purple with slight tinge of blue. Pkt., 25c.

Baby's Breath — See Gypsophila Paniculata.

Campanulas

Culture: B, D or E, Page 58

This brilliant family includes the biennials, as well as a number of true perennials, varying in height from dainty rock garden subjects 8 inches tall to the stately Pyramidalis and Persicifolia types which reach 6 feet. While large growing types demand rich soil, there are no flowers more thrifty or adaptable than the small and medium sized Campanulas.

Canterbury Bells *

The Canterbury Bells are biennials, that is, from seed sown one year, the plants will bloom the following year, and the plant then dies. To keep up a yearly display they should be sown annually.

DOUBLE		SINGLE	
7320	Blue.	7300	Blue.
7325	Pink.	7301	Lilac.
7315	White.	7305	Pink.
7330	Mixed.	7295	White.
		7310	Mixed.

Each of the above, pkt., 10c.

CUP AND SAUCER

7270 Calycanthema Mixed. 2 ft. June-Aug.

7285 —Blue. **7280 —Pink.**

7284 —Lilac. **7275 —White.**

Each of the above, pkt., 10c.

Perennial Campanulas ①

Seed sown one year, plants will bloom the next and for several years following, increasing in size each year.

7260 × Carpatica (Harebell) Blue. 9 in. June to Aug. Forms tufts of neat foliage above which are borne cup-shaped, upright blooms of a glistening light violet-blue. Likes partial shade. Pkt., 10c.

7265 × —Alba. 9 in. July. Pure white. Pkt., 10c.

7331 × Garganica. Beautiful star-shaped sky-blue flowers fairly cover the trailing plants. Pkt., 15c.

7335 Lactiflora Coerulea. Broad-leaved, 2½-3 ft. July. Light blue. Pkt., 15c.

7344 Persicifolia (Peach Bells). Blue. 2-3 ft. June-July. Fine border plant. Pkt., 25c

7345 —Alba. White. Pkt., 25c.

7350 —Mixed. Blue and white. Pkt., 25c.

7367 Rapunculoides. Spikes of loosely swung bell-blossoms, beauty for months on end. Variable coloring from soft blue to deep violet. A row of it becomes a hedge of bloom, and it has perhaps the longest flowering season of any campanula Pkt., 20c.

7355 Pyramidalis (Chimney Bellflower). Blue. 5-6 ft. August-Sept. Pkt., 10c.

7365 Pyramidalis Mixed. Pkt., 10c.

7354 Punctata. 28 in. Plants form rambling foliage mats from which arise flower stalks of varying height from which hang big, pendant bells not unlike a Foxglove, which are waxen without, downy within. Colors range from creamy pink, through lilac to purple. Pkt., 20c.

7366 × Rotundifolia (Blue Bells of Scotland). 6-12 in. Matted foliage, slender, branching stems, covered with dainty frail blue flowers. Blooms generously in July and again in fall. Pkt., 15c.

7370 Vaughan's Special Mixture of Campanulas. A grand assortment of all varieties. Fine for cut flowers. Pkt., 25c.

Perennial Candytuft—See Iberis.

Baptisia ①

Culture: B, C, D or E, Page 58

7235 Australis (False Indigo). Forms a spreading bush 3 to 4 ft. high with dark bluish green leaves and Lupin-like blue flowers in June and July. Pkt., 10c.

Blackberry Lily ①

Culture: B, D or E, Page 58

7243 3 to 4 ft. A perennial of easy culture in rich sandy loam in a sunny spot. Flowers orange spotted red. Seed stalks may be used in winter bouquets, are clusters of shining black seeds. Pkt., 10c

Boltonia (False Chamomile) ①

Culture: B, D or E, Page 58

They are among the relatively few fall flowering perennials, and are effective as background plants. They bear small star-flowers in large clusters.

7250 Latisquama. 4-5 ft. July-Oct. Delicate pink. Pkt., 15c.

7256 × CALLIRHOE Involucrata ① **(Poppy Mallow).** Crimson. Pkt., 15c.

7401 **CARNATION** Grenadin Mixed. Pkt., **25c.** **Plants,** 3 for **$1.25;** each, **50c.**

Garden Carnations ①

Culture: B, D or E, Page 58

GRENADIN

A valuable bedding variety with double flowers, blooming first year from seed if sown early. 20 in.

Soon after they are through blooming the tops should be cut. The Grenadin type will branch and will carry on through another year. If this operation is not done, in most cases the Grenadin type is only a biennial.

7390 King of the Blacks. Darkest red, very fine. Pkt., 25c.

7398 Golden Sun. Early flowering, very double, large clear yellow flowers. Pkt., 35c.

7395 Scarlet. 25c. **7400 White.** 25c

7385 Triumph, Rose. 25c.

7399 White Gold. Soft yellow new. Pkt., 25c.

7401 Mixed. Pkt., 25c. **Plants,** 3 for $1.25; doz., $4.00; each, 50c.

CARNATION Crimson King. **Plants,** 3 for **$1.50;** each, **60c.**

Crimson King. 2 ft. Closely resembling a greenhouse Carnation in size and habit of growth. Large, fragrant, bright crimson blooms of velvety appearance borne in profusion in June and continuing until heavy frost. 3 for $1.50; doz., $4.75; each, 60c.

Silver Mine. Produces pure white flower on 8 to 10 inch stem. Deep green foliage; it is a prolific bloomer. 3 for $1.50; doz., $4.75; each, 60c.

VIENNA DWARF

They grow evenly about 14 inches tall, are extra double and very large-flowering. The color display is magnificent. Flowering period is at least 14 days earlier than any other Carnations of that class.

7415 × Mixed. Seeds. Pkt., 10c.

7150 **AQUILEGIA** Mrs. Scott Elliott's Strain Long-Spurred Hybrids. Pkt., **25c. Plants,** 3 for **$1.25;** doz., **$4.00;** each, **50c.**

Columbines ①

Culture: B, C, D or E, Page 58

ONE of the best-known and best-loved perennials. Dwarf varieties for the rock garden, tall varieties for the border and for cutting. They are easily grown from seed, prefer light shade, and thrive in any fairly rich soil. These plants covered with dancing, quivering blossoms, add grace and airiness to any garden.

7151 Dobbie's Imperial Hybrids. A strain with large, long-spurred flowers in strong, brilliant tones of all colors. Pkt., 25c.

7150 Mrs. Scott Elliott's Strain of Long-Spurred Hybrids. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Pkt., 25c. **Plants,** 3 for $1.25; doz., $4.00; ea., 50c.

7119 ×**Alpina.** Powder blue. 2 ft. April-July. Pkt., 15c.

7121 **California Hybrids.** 3 ft. Long spurred, dark carmine-like. Pkt., 20c.

7120 **Canadensis (American Columbine).** 1 to 2 ft. May-July. Scarlet and orange. Pkt., 10c.

7125 **Chrysantha.** 3 to 4 ft. May-August. Yellow, long spurred. Pkt., 15c.

7126 **—Silver Queen.** 3 ft. Long-spurred silvery white flowers. Pkt., 25c.

7131 **Clematiflora. Mixed.** Spurless Columbine with beautiful open flowers like Clematis. Contains all lovely pastel shades. Pkt., 25c.

7495 **COREOPSIS** Lanceolata Grandiflora. Seeds. Pkt., **10c.**

COLUMBINES—Continued

7140 **Coerulea (Rocky Mountain Columbine).** 1 to 2 ft. April-July. One of the most beautiful of native flowers. Sepals, deep blue; petals, white Pkt., 10c.

7141 **—Mrs. Nicholls.** This is a glorified Rocky Mountain Columbine with larger flowers, long spurs, and strong habit. Pkt., 50c.

7145 **—Rosea (Rose Queen).** 2½ ft. Light to dark rose, white center Pkt., 25c

7142 **Colorado Rainbow Hybrids.** Including blue, yellow, white, lavender, orchid, purple, three shades of red, all pink, pink and white, red and white and red and yellow. Pkt., 25c.

7148 **Flabellata Nana Alba.** A charming dwarf variety for the rock garden, perfect foliage and ivory-white flowers, 8 to 10 inches. Pkt., 25c.

7143 **Longissima.** A beautiful American species having 4 inch spurs on flowers of a delicate pale yellow. One of the most attractive. Pkt., 50c.

7144 **Longissima Hybrids.** A new race obtained by crossing Mrs. Scott Elliott's with Longissima All the beautiful hues, in red, blue, white, rose, etc., of the former, long spurs and broader petals. They are hardier and more lasting. Pkt., 50c.

Marshfield, Wisconsin, June 2, 1944
My Aquilegia Longissima Hybrids bloomed this year and are really sensational.
Mrs. H. E. A.

7158 **Long-Spurred Blue.** Splendid selection from light to dark blue. Pkt., 35c.

7156 **COLUMBINE** Long-Spurred Crimson Star. Pkt., **25c. Plants,** 3 for **$1.50;** doz., **$4.75;** each, **60c.**

7156 **Long-Spurred Crimson Star.** The brightest red Columbine, long spurs and outer petals rich crimson, center petals white. Three-inch flowers on 2-foot stems. Pkt. (50 seeds), 25c **Plants,** 3 for $1.50; doz., $4.75; each, 60c.

7157 **Long-Spurred Copper Queen.** Lovely deep copper with long spurs of deeper hue, while the inside of the corolla is buff. Pkt., 50c.

7159 **Long-Spurred Orange and Scarlet.** Many unusual tones. Pkt., 35c.

7190 **Aquilegia Vaughan's Special Mixture.** Includes a complete collection including the long-spurred, and the non-spurred types, the tall and dwarf sorts. Pkt., 25c. **Plants,** 3 for $1.15; doz., $3.50; each, 45c.

Coreopsis ①

Culture: B, D or E, Page 58

A useful and attractive perennial, both for border and cut flowers. They are of easy culture, and flower in profusion throughout the summer.

7495 **Lanceolata Grandiflora.** 2 ft. June-October. Large orange-yellow flowers on long graceful stems. Will flower the first year if sown early. Pkt., 10c.

7494 **Mayfield Giants.** It produces a taller and more vigorous plant with longer and firmer stems and larger individual blooms of which the ray petals are broader. Pkt., 20c.

7493 **Double Sunburst.** The flowers are double. 1½ to 2 inches across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt., 25c. **Plants,** 3 for $1.15; doz., $3.50; each, 45c.

7435 ×**CERASTIUM Tomentosum** ① **(Snow in Summer).** 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c.

SHASTA DAISY Chiffon. **Plants,** 3 for **$1.50;** doz., **$4.75;** each, **60c.**

Shasta Daisies ①

Culture: B, D or E, Page 58

The name Shasta is now applied not to a single variety but to a class of hardy Daisies, bearing giant flowers, all splendid border subjects and easily grown from seed.

7500 **Alaska.** 2-2½ feet. Splendid for cutting. Pkt., 10c. **Plants,** 3 for $1.15; doz., $3.50; ea., 45c

Chiffon. 2 ft. The flowers, 2 inches across, have fringed and laciniated petals, interlaced, see picture. Long flowering period. Needs winter protection. **Plants,** 3 for $1.50; doz., $4.75; each, 60c.

7464 **Diener's New Giant Everblooming G. Marconi.** See Novelty Pages. Pkt. (35 seeds), 50c.

7502 **Elder Daisy.** 2 ft. May. A popular variety for early cutting and border. Pkt., 15c.

7504 **Giant Double.** See Novelty Pages. Pkt., 35c

7462 **Maximum Conqueror.** June. 2⅔ ft. Large pure white flowers, five inches in diameter, on long stiff stems, in profusion. Pkt., 15c. **Plants,** 3 for $1.15; doz., $3.50; each, 45c.

7460 **—King Edward VII.** 2½ feet. Very large flowers on stout stems. Pkt., 10c.

7449 **—Fringed Semi-Double and Double.** The plants are extremely vigorous, producing at one time from 25 to 40 feathered fringed blooms. The strong heavy stems support blooms that average from 5 to 8 inches in diameter. A percentage of the plants will produce full double blooms, the balance semi-double and fringed. Pkt., 15c.

Centaurea ①
(Hardheads, Knapweed)

Culture: B, D or E, Page 58

The flower-heads are like showy, ragged Thistle blooms.

7425 **Macrocephala.** 3 ft. During July and Aug., its stiff upright stalks are topped with radiant yellow Thistle-like blooms. Flowers often 4 in. across. Fine for background. Pkt., 10c.

7430 **Montana Blue.** 2 ft. June-Sept. Numerous large deep blue flowers somewhat resembling the annual Cornflower. Pkt., 10c.

7428 **Hardy Perennial Mixed.** A mixture of thirty hardy Centaureas. A real treat is in store for those who plant this mixture, as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. Pkt., 15c.

Cheiranthus ①

Culture: B, D or E, Page 58

A hardy perennial which blossoms the first year from seed. Sow in late summer, autumn or spring

1611 **Linifolius.** Lilac, 18 in. Pkt., 10c.

For Allioni and Golden Bedder see Annual Pages

Chrysanthemum—See Shasta Daisy.

Clove Pink—See Dianthus Plumarius.

Columbine—See Aquilegia.

Carlinville, Illinois, June 8, 1944
Last year during June we ordered and planted Vaughan's Pacific Hybrid Delphiniums and Canterbury Bells. All are now in bloom and are a real picture. The delphinium spikes are 30" to 40" in length and the flowers and colors are exquisite. Most of the community have never seen Canterbury Bells and the many bouquets we have sent to friends and shut-ins are a real thrill.
Mrs. W. J. B.

Hardy Delphiniums ①

Culture: B, D or E, Page 58

Modern hybrid Delphiniums have become the dominant flowers in the perennial border of late June. In deep, rich soil, they grow six feet tall or more, with huge spikes of large flowers, varying in colors from the darkest violet to pale lavender. Lower growing types are also valuable for both border and cut flower use; the Chinese and Butterfly types are fine for bedding.

NOTE—A teaspoonful of sugar in the water will delay shattering of cut Delphiniums two or three days

Pacific Giant Hybrids

Illustrated on the right. Top to bottom:
1 BLUE JAY 3 GALAHAD
2 GUINEVERE 4 SUMMER SKIES
5 KING ARTHUR, Seeds Only

The new strain produces plants that are 60 to 65 per cent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers **do not shatter** and represent a truly outstanding addition to the midsummer garden.

7563 Black Knight. Large flowers of varying dark violet shade. Pkt., about 200 seeds, $1.00; pkt., about 100 seeds, 50c.

7559A Blue Jay. From medium to dark blue with dark bee. Pkt., about 200 seeds, $1.00; pkt., about 100 seeds, 50c.

7563A Cameliard Series. This is a pure lavender self with white bee. Pkt., about 200 seeds, $1.00; pkt., about 100 seeds, 50c.

7560 Galahad. Clear white, highly mildew resistant. Pkt., about 200 seeds, $1.00; pkt., about 100 seeds, 50c.

7560A Lancelot. Lilac with white bee. Pkt., about 200 seeds, $1.00; pkt., about 100 seeds, 50c.

7561 King Arthur. Royal violet, large white bee. Pkt., about 200 seeds, 75c; pkt., about 100 seeds, 40c.

7561A Guinevere. Light pink lavender with white bee. Pkt., about 200 seeds, 75c., pkt., about 100 seeds, 40c.

7562 Summer Skies. Light blue with white bee. Pkt., about 200 seeds, 75c; pkt., about 100 seeds, 40c.

7562A Clear White. Of glistening texture. Pkt., about 200 seeds, 75c; pkt., about 100 seeds, 40c.

7559 Round Table Series. As the name implies this represents all of the color combinations of the above Knights and their Ladies. Pkt., about 200 seeds, 75c; pkt., about 100 seeds, 40c.

STANDARD COLORS OF PACIFIC GIANTS

7556 Dark Blue Shades. Pkt., 50c.

7557 Light Blue Shades. Pkt., 50c.

7558 Lavender Pastel. Color range from lavender, generally of two tone combinations, brown or black bees. Pkt., 50c.

7558A Mixed. The three varieties of the above standard sorts. Pkt., 50c.

Plants of Pacific Giant Delphiniums

Strong 1-yr. plants of Blue Jay, Galahad, Guinevere, Summer Skies or White. 3 for $1.50; doz. $4.75; each, 60c.

7715 **SWEET WILLIAM** Vaughan's Special Mixture of all listed and others. Pkt., **25c.**

Other Hybrids

7550 Belladonna Improved Cliveden Beauty. 2 ft. June-July. Exquisite turquoise blue. These and Thermopsis Carolina (Yellow) are charming when combined in bouquets. Pkt., 20c. **Plants,** 3 for $1.15; doz., $3.50; each, 45c.

7552 Bellamosum Improved. Large deep blue flowers, uniform in color, with a white bee. Blooms 2½ inches across. Pkt., 25c.

7564 Blackmore and Langdon Strain. A famous English strain. All the clear shades of blue, with bees of contrasting colors. Pkt., 35c.

7547 Cardinale. "Scarlet Larkspur," a native California species with long spikes of scarlet flowers, seed germinates slowly. 2-3 ft. Pkt., 25c.

Chinese. See Page 30.

7523 Chinese Blue Mirror. See Novelty Pages.

7542 Lamartine. It makes a sturdy, vigorous, healthy plant five feet tall which blooms from June until frost. The flowers are a rich, deep blue with a pure white eye. We have seen flower spikes of these gorgeous flowers over two feet in length. Perfectly hardy. **Seeds.** Pkt., **25c.**

7569 Wrexham Hollyhock-Flowered Strain, Mixed. Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor 1½ to 2 inches in diameter, many double.

Mixed Color Seed Pkt., 50c. PLANTS, 3 for $1.25; doz., $3.75; each, 50c.

7570 Vaughan's Gold Medal Hybrids. This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. Pkt., 25c.

7571 DELPHINIUM Vaughan's Special Mixture. This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the other various kinds. Pkt., 35c.

Dianthus Barbatus ①

Single Sweet William

Culture: B, D or E, Page 58

In June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is the most welcome. They appreciate rich soil. To be sure of large plants and flowers, sow new seed each year. 18-24 inches.

7670 Atro-sanguineus. Blood-red. Pkt., 10c.

7659 Homeland. Homeland is dark red with large sharply defined, clear white center. Pkt., 35c.

7655 Nigrescens. Dark foliage and flower. Pkt., 10c

7660 Newport Pink. Salmon-pink. Pkt., 10c.

7635 Scarlet Beauty. Vivid orange or salmon scarlet. Pkt., 15c.

7685 Single Giant-Flowered Mixed. Pkt., 10c.

Double Varieties

Seedings of all double Sweet William produce about 40% of single blooming plants.

7700 Blood-Red.

7705 Mixed.

Each of above, pkt., 10c.

7710 Giant Double Mixed. A decided improvement. The plants are of robust, bushy habit, producing numerous stems surmounted by immense umbels of full, double flowers, many of the individual flowers, measuring over one inch in diameter. The colors are extremely varied. Pkt., 10c.

7625 **DIANTHUS** Plumarius Vaughan's Special Mixed. Pkt., **25c. Plants,** 3 for **$1.15.**

DICENTRA Spectabilis. **Plants,** 3 for **$2.00.**

7775 **DIGITALIS** Vaughan's Special Mixture. Pkt., **15c.**

Hardy Pinks (Dianthus)

Culture: B, D or E, Page 58

In the rockery and in the border the Dianthus family is of value. Most of them grow easily from seed, thrive in ordinary soil which must contain some lime, and should be in a well-drained situation.

7576 × Allwoodi Alpinus. 6 in. Flower first year from seed. It has single and semi-double flowers in all Dianthus colors. Is a perfect gem for the rock garden. Pkt., 50c.

7575 Allwoodi Mixed. The flowers are about 75 per cent double and all colors except yellow. The single flowers have the advantage of making large clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt., 25c.

7579 × Arenarius (Sand Pink). 6 in. Flowers white, fringed, fragrant, forming a dense carpet. Pkt., 25c.

7580 × Caesius (Cliff Pink). 1 ft. Flowers delicate rose pink, fragrant. Pkt., 25c.

7582 × Deltoides Brilliant (Maiden Pink). 8 in. Delicate pink blossom carried above fine, feathery foliage. Pkt., 25c.

7588 —Major Stern. A free-flowering form with bright crimson flowers and dark foliage. Pkt., 35c.

7583 × Graniticus. 4 in. Low growing, forming dense carpet covered with crimson flowers in May and June. Pkt., 25c.

7581 Knappii. A yellow "Hardy Pink," unusual color for this family. Clusters of clear golden yellow flowers above grassy green foliage. Pkt., 25c.

7631 Loveliness. The flowers have large laciniated petals of a most exquisite mauve-pink, with delightful fragrance. Pkt. 25c.

7587 Best Rock Garden Varieties, Mixed. Rock gardens need the low growing Dianthus to brighten spots and fill in crevices Pkt., 25c.

7592 Winteri. The flowers are of pure colors; habit compact; flowers first year from seed; deliciously scented. Pkt., 50c.

PLUMARIUS (Clove or Grass Pinks)

Plumarius is the old-fashioned, fragrant garden Pink. Fine for perennial border or rockwork.

7620 × Double Mixed. Fine for cutting. Pkt., 10c.

7590 Cyclops Red Hybrids. A fine mixture of perpetual flowering red shades. Pkt., 25c.

7585 Highland Hybrids. Tall, strong stemmed pinks in varied colors, beautifully marked and zoned. Pkt., 35c.

7595 Little Jock Hybrids. 6-8 in. Compact plants produce a multitude of fringed flowers, an inch across, in pink, rose and white, 50 per cent double. Pkt., 25c.

7605 × Nanus Fl. Pl. 1 ft. Double dwarf mixed. 15c.

7632 Scoticus Double Special Strain. Self colors of pink, rose, salmon and white and the same in combination with a bright crimson zone. Blooms 1½ to 2 inches. Free flowering. Pkt., 35c.

7609 × Spring Beauty. Double giant-flowered Grass Pinks, Carnation-like in form and size and with a beautiful range of color. Very fragrant. Pkt., 25c.

7615 × Single Mixed. Delicately fringed. Pkt., 10c.

7625 × Vaughan's Special Mixture. A grand selection of Clove Pinks of the above Plumarius type and others. Pkt., 25c. **Plants,** 3 for $1.15; doz., $3.50; each, 45c.

Tiny Rubies. A Carnation in dainty miniature. Flowers a rose-pink on stems 4 to 5 inches high, on a low compact plant that is a delicate green mound. An exciting novelty. **Plants,** 3 for $1.50; doz., $4.75; each, 60c.

Dicentra (Dielytra) ①

(Bleeding Heart or Seal Flower)

Culture: B or C, Page 58

7718 Eximia (Plumy Bleeding Heart). Dwarf; reddish purple. May and June. 12 in. Pkt., 25c.

Spectabilis. Its long racemes of graceful heart-shaped pink flowers are always attractive Is perfectly at home in any part of the hardy border, especially in the shade. **Plants,** 3 for $2.00; doz., $6.25; each, 80c.

Dictamnus (Gas Plant) ①

Culture: B or C, Page 58

This bushy perennial with its attractive flower spikes blooms with the tall bearded Iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved.

7720 Fraxinella. 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c. **Plants,** 3 for $1.50; doz., $4.75; each, 60c.

7725 —Albus. 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. Pkt., 15c. **Plants,** 3 for $1.50; doz., $4.75; each, 60c.

Echinacea (Coneflower) ①

Culture: B, D or E, Page 58

Stout perennials for the border or wild garden. Flowers in July-Aug., good cut flowers.

7785 Purpurea (Purple Coneflower). 3-4 ft. A handsome border plant; purple flowers. Pkt., 15c.

7788 ECHINOPS Ritro (Globe Thistle). ① 3-4 ft. Steel-blue flower-heads, round like a ball, covered with needle-like spines. Pkt., 10c.

7798 × ERINUS Alpinus. ① 4 in. May-June. Purple flowers, good for flagging. Pkt., 25c.

Euphorbia ①

Culture: B, D or E, Page 58

7807 Corollata (Wild Baby's Breath). 2 to 3 ft. Blooms in midsummer, and suggests Gypsophila but the flowers are larger and more pronouncedly white, a cloud of small white stars, indescribably delicate and airy. Valuable for bouquets. Will bear anything in the way of drought or neglect. Leaves turn a rich wine color in fall. Pkt., 25c.

7808 × Myrsinites. 3 in. June-July. Distinct gray trailer, large heads of yellow flowers. Pkt., 25c.

Funkia (Hosta, Day Lily)

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty Lily-like flowers in terminal racemes, 1½-2 ft., July-Aug. Excellent and effective in front of shrubbery, or any shady position.

Subcordata Grandiflora. Flowers white, large green leaves. One of the best perennials for shade. 3 for $2.00; doz., $6.25; each, 75c.

SEEDS GERMINATE SLOWLY AND IRREGULARLY

The following varieties and seed bed should be prepared where it will be undisturbed for a year or more.

Aconitum, Anemone, Delphinium Cardinale, Dictamnus, Incarvillea, Iris, Hardy Primulas, Trollius.

Digitalis (Foxgloves) ①

Culture: B, D or E, Page 58

These are biennials and should be sown very early in the spring so plants will be large enough to flower the following year. They should be wintered in a cold frame where sub-zero temperatures are common and always in a well drained place, as their crowns remain green all winter. The tall nodding spires of Foxglove are at home in any garden, but they are most effective against a suitable background of foliage.

7745 Gloxiniaeflora Mixed Colors. Pkt., 10c.

7768 —The Shirley Hybrids. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms from white and shell-pink to deepest rose. Pkt., 25c. **Plants,** 3 for $1.25; doz., $4.00; each, 50c.

7750 Grandiflora or Ambigua. 2 to 3 ft. June-July. Yellowish flowers marked with brown. A true perennial. Pkt., 10c.

7769 Lutzii Hybrida. 4 ft. The spikes are strong and heavily laden with salmon-rose bells. Pkt., 20c.

7761 Nevadiensis. 40 in. Slender wand-like stems that carry all their length, many florets of soft cream. The blooms face one way, and their weight bends the stems, giving a graceful appearance. Pkt., 25c.

7770 Orientalis. Blossoms of silvery down, on cream, all overlaid with an even netting of chestnut brown. An odd and attractive species. Pkt., 25c.

7749 Princess, Pastel Mixture. 4 ft. Here is really a new flower for your garden—a Foxglove in distinctly new pastel tints of pink, apricot, buff, rose and heliotrope. Pkt., 15c.

7775 Vaughan's Special Mixture of Digitalis. The above, and other colors. Pkt., 15c.

Gypsophila (Baby's Breath) ①

Culture: A, B, D or E, Page 58

Established plants, which should never be disturbed, produce cloud-like masses of small flowers in the border. They are fine for cutting and dry perfectly for winter bouquets.

7861 Mangini. Wide tangles of large and pretty pink and white flowers valued for misty border effects, also for adding airy grace to cut flower arrangements. Pkt., 15c.

7866 Oldhamiana. 3 ft. The light little buds are first almost white, but open a lively shade of pink that darken as the flowers mature. Pkt., 25c

7867 Pacifica. 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. Pkt., 25c.

Paniculata Bristol Fairy (Double Baby's Breath). Early double pure white large flowering perennial Baby's Breath. Produces a second crop of spikes. **Plants,** 3 for $1.75; doz., $5.50; each, 65c.

Rosenschleier (Rosy Veil). A semi-dwarf double pink variety giving two crops of bloom. **Plants,** 3 for $1.75; doz., $5.50; each, 65c.

7860 Paniculata Double Snow White. A great improvement on the single-flowered type and more lasting. 2-3 ft. July-August. Pkt., 25c.

7865 —(Baby's Breath). 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c.

7863 × Repens Rosea. 6 in. Attractive dwarf pink. Pkt., 15c.

7862 × Repens Dwarf White. Pkt., 15c.

7852 **GEUM** Lady Stratheden. Pkt., **35c.**
7855 **GEUM** Mrs. Bradshaw. Pkt., **25c.**

Geum ①

Culture: B or C, D or E, Page 58

Geums are showy, producing a wealth of attractive flowers much prized for cutting. Excellent for border.

7852 Lady Stratheden (Golden Ball). 2 ft. Flowers loosely double; a delightful shade of golden yellow. Pkt., 35c.

7855 Mrs. Bradshaw. 2 ft. The double orange-scarlet flowers are very large and full. June-Sept. Pkt., 25c.

7853 Orange Queen. 2 ft. Flowers large and semi-double, of a beautiful orange-scarlet. Pkt., 25c.

Gerbera (Transvaal Daisy) ①

Culture: D or E, Page 58

7846 Jamesoni Hybrids (Flowerland Strain). 2 ft. Large Daisy-like blooms on long stems in yellow and red. Seed should be sown singly, point up; cover lightly in greenhouse or hotbed. Transplant when leaves are one inch long. Water sparingly. Give sunny, airy location, protect from rain in summer in the open. Needs protection over winter. Pkt. (25 seeds), 25c.

Heliopsis (Orange Sunflower) ①

Culture: A, B, D or E, Page 58

A very brilliant border plant, resembling a double Sunflower; an excellent cut flower.

7909 Lemoine Strain. Double golden yellow. Blooms first year from seed. Pkt., 15c.

7910 Pitcheriana. 3 to 4 ft. high. Golden yellow flowers 2 inches in diameter; blooms all summer. Pkt., 25c.

Helianthemum ①

Culture: C (April-July), Page 58

7906 × Mutabile (Rock Rose). 8-12 in. Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. Pkt., 15c.

HELIANTHUS Loddon Gold. Bright yellow, dahlia-like flowers, often 5 inches in diameter. **Plants,** 3 for $1.50; doz., $4.75; each, 60c.

Heuchera (Coralbells) ①

Culture: B, D or E, Page 58

From a tuft of heart shaped leaves, graceful flower stalks rise, bearing flowers in clusters. Beautiful both in border and in rockery.

7940 Sanguinea. 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Pkt., 25c.

7943—New Hybrids Mixed. All shades of red and coral pink. Large and free flowering. Pkt., 25c. **Plants,** 3 for $1.50; doz., $4.50; each, 60c.

7944 Hoodacres Hybrids. Very vigorous and prolific. The bells are much larger than other sorts. The bloom stalks are tall; some have the habit of blooming twice in a season. Wide range of color shades. Pkt., 35c.

7812 **GAILLARDIA** Burgundy. Pkt., **25c.**

Gaillardias ①

Culture: B, D or E, Page 58

For cheerful, long-lasting garden color, Gaillardias are indispensable. Groupings of them here and there in front of shrubs will provide splotches of color for weeks and weeks. A rich light soil is essential and they require a sunny situation to do well.

7809 Grandiflora Monarch Strain. A robust strain very varied in coloring and with flowers of giant size and perfect form. Pkt., 25c.

7812 —Burgundy. 2 ft. Shining wine-red flowers, 2½ in., from June until fall. Blooms same year, sown early. Pkt., 25c. **Plants,** 3 for $1.25; doz., $4.00; each, 50c.

7811 —Dazzler. Large golden yellow flowers with rich maroon center. Pkt., 25c.

7817 —Goblin. 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. Flowers first year from seed. Pkt., 25c.

7836 —Portola Hybrids. 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. Pkt., 25c.

7831 —Tangerine. Compact grower. Large tangerine orange-colored flowers. Pkt., 25c.

7818 —The King. Special strain with enormous flowers, deep red, edged gold. Pkt., 25c.

7819 —Torchlight. Bright golden yellow flowers with a rich maroon center. Pkt., 15c.

7810 —Mixed. Composite flowers variegated with shades of red and yellow. Pkt., 10c. **Plants,** 3 for $1.15; doz., $3.50; each, 45c.

7820 Sungod—See Novelties. Pkt., 25c.

Day Lilies (Hemerocallis)

Modern Day Lilies have been greatly improved in color range, size of flowers and season of bloom. They have become one of the important perennials for midsummer bloom. Perfectly hardy, they increase rapidly under favorable conditions.

Hyperion. Very large canary yellow. 3 for $2.00; each, 75c.

Lemona. Lemon yellow. 3 for $1.25; each, 50c.

Mikado. Deep orange, with maroon blotches on 3 petals. 3 for $2.00; each, 75c.

Ophir. Fragrant giant golden yellow. 3 for $2.00; each, 75c.

Peggy Parry. Orange scarlet lined with yellow. 3 for $2.00; each, 75c

Collection. One each of the above five varieties for $2.10.

Hibiscus (Rose Mallow) ①

(3 to 5 Feet)

Culture: B, D or E, Page 58

In the late summer, when perennials are few, well established plants of Mallow bear their beautiful single flowers, 3 to 5 inches, several weeks. Aug.-Sept.

7945 Crimson Eye. Creamy white flowers, large crimson center. Pkt., 10c.

7950 Golden Bowl. Deep cream, with a velvety maroon center. Pkt., 10c.

7946 Jumbo Red. A special selection made to improve color and size of the flower of the Mallow Marvels Red. Pkt., 15c. **Plants,** 3 for $1.35; doz., $4.25; each, 55c.

7960 Mallow Marvels, Mixed. Pkt., 10c. **Plants,** 3 for $1.15; doz., $3.50; each, 45c.

7965 —Red. Pkt., 15c.

7966 —Pink. Pkt., 15c.

8015 **HOLLYHOCKS** Vaughan's Prize Double Mixture. Pkt., **10c. Plants,** 3 for **$1.15.**

Hollyhocks ①

Culture: B, D or E, Page 58

Hollyhocks are most decorative and the great spikes of bloom are "Towers of Beauty" to the garden picture. Following Delphiniums in the border show, have a long season of bloom which can be prolonged by picking off faded flowers, and a second crop will come if the first stalks are cut back. Need well drained location.

Hollyhock rust can be overcome by treating the plant as a biennial, sowing the seed early one year for flowering the next, as it is a well known fact rust seldom attacks young plants.

Double Varieties

7971 Colorado Sunset. **7990 Salmon.**
7995 Crimson. **7988 Scarlet.**
7972 Deep Salmon Red. **7970 White.**
7975 Maroon. **7992 Yellow.**
7980 Rose.
8004 Lilac Beauty. A clear bright lilac color.
8005 Newport Pink. The finest pure pink.
8001 Purple Robe. Deep purple.
8000 Palling Belle. Lovely silvery pink flowers.

Each of above, pkt., 10c.

PLANTS. Mixed Colors, 3 for $1.15; doz., $3.50; each, 45c.

8008 Begonia Flowered Imperator, Mixed. Flowers with broad collar of frilled and fringed petals and double center rosette. Mixture containing many interesting combinations of colors. Pkt., 25c.

8015 Vaughan's Prize Double Mixture. Finest shades in perfect flowers. Pkt., 10c; ⅛ oz., 50c.

8010 Allegheny Mixed. Flowers come single, semi-double and double, about 5 inches across. Pkt., 10c.

8007 Mixed "Souvenir de Madam Perrin." Semi-double flowers, notched or toothed at the edge. Finest color range in balanced mixture. Pkt., 25c.

8016 Vaughan's Special Mixture. This mixture is composed of all the best double varieties as well as two new French strains, not offered before. A most interesting combination. Pkt., 25c.

Single Varieties

More permanent and hardy than the double and if planted with a deep green background, such as arborvitae hedge, they afford a most striking effect.

8045 White. **8040 Rose.**
8051 Yellow.

Each of the above, pkt., 10c

8055 Mixed. ¼ oz., 30c; pkt., 10c.

Annual Hollyhocks—See Page 28.

Hesperis Matronalis ①

(Sweet Rocket—Evening Scented Stock)

Culture: B, D or E, Page 58

The fragrant flower-heads of these thrifty flowers somewhat resembling perennial Phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. 2 to 3 feet. June and July.

7930 Purpurea. Lilac. Pkt., 10c.

7935 —Alba. White. 10c. **7936 —Mixed.** 10c.

Iberis (Perennial Candytuft) ①

Culture: A, B, D or E, Page 58

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

8075 ×**Gibraltarica.** Pinkish white. Pkt., 10c.

8078 **Queen of Italy.** Dwarf bushes covered with large pink blooms. Pkt., 10c.

8080 ×**Sempervirens.** Sheet of white. Pkt., 25c.

Grow Iris From Seed

Culture: A, B or C, Page 58

8089 **Kaempferi.** Special strain, see Novelties.

8092 **Siberian.** This type of Iris resembles the Spanish and English Irises. It makes a bright show in the garden and is excellent for cutting. Pkt., 15c. **For Iris plants see Index.**

8091 **Dichotoma (August or Vesper Iris).** Fragrant flowers on tall branching sprays from July to September. Cream to violet-purple markings of various colors. Seed sown in early spring will germinate quickly, and a fair proportion will bloom the first summer. Pkt., 20c.

Lathyrus Latifolius ①
(Hardy Sweet Pea)

Culture: B, C, D or E, Page 58

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting. Blooms all summer, if seed pods are removed.

8100 **Pink Beauty.** Pale pink variety. Pkt., 10c.

8105 **Rubra.** Bright rosy crimson. Pkt., 10c.

8110 **White Pearl.** Large white. Pkt., 10c.

8115 **Mixed.** The above colors. Pkt., 10c.

Lavender (Lavendula) ①

Culture: B, D or E, Page 58

Delightfully fragrant flowers, much used when dry on account of their sweet odor. Prefers warm, dry soil. Favorite for centuries.

8117 × **Munstead Strain.** 1 ft. A most valuable variety. A month earlier than the common Lavender. Pkt., 25c.

Liatris ①
(Kansas Gay Feather)

Culture: B, D or E, Page 58

8119 **Scariosa.** Rare North American species. Crowded spikes of rosy purple flowers. Pkt., 15c.

8117B **—Alba.** 2½ ft. The flowers are attractive white pompons thickly studding each stem. The top buds open first and then the others gradually down the stem. Valuable in garden and for cutting. Pkt., 35c.

8117A **—September Glory.** A giant 6-foot spike solidly covered with purple flowers from top to bottom. The flowers, unlike the common variety, come into bloom all at the same time, creating a marvelous effect. Pkt., 25c.

Linaria (Toad Flax) ①

Culture: A, B, D or E, Page 58

Showy free-flowering plants. Good for borders.

8121 **Macedonica Speciosa.** 36 in. Creamy white. Pkt., 15c.

Lobelia ①

Culture: B, C, D or E, Page 58

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam.

8145 **Cardinalis (Cardinal Flower).** 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Pkt., 15c.

8144 **—Special Selection.** A perennial for moist partially shaded border. Rich fiery cardinal flowers. Plants often produce 4 to 6 spikes 24 to 30 inches long. Pkt., 25c.

For Winter Bouquets ①

Culture: B, D or E, Page 58

8150 **LUNARIA Biennis Annua (Honesty or St. Peter's Penny).** Flowers lilac-purple, followed by silvery seed pods, prized for winter bouquets. Biennial but readily self-sows. Pkt., 10c.

8162 **LILIUM** Regale. Pkt., **15c.**

Lilies from Seed ①

Many Lilies are easily grown from seed; and seedling Lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for Lily seed, if requested. You will find it fascinating.

8158A **Longiflorum Praecox White Queen.** Produces long trumpet-shaped flowers of clear white. Pkt., 25c.

8162 **Regale (The Royal Lily).** 3½ ft. The flowers are white, slightly suffused with pink on backs of petals. Fragrant. Blooms out-of-doors early in July, and seedling bulbs will flower the second year. Pkt., 15c.

8163 **Tenuifolium (Coral Lily of Siberia).** It is a gem, perfectly hardy. One of the earliest to flower. 24 in. high with the flowers up and down on stem. Blooms are deep scarlet and have recurled petals of waxy texture. Pkt., 25c.

8164A **Mixture of Hardy Lilies.** Pkt., 25c.

For bulbs of varieties of Lilies we can supply see Index.

Linum (Flax) 12 to 18 in. ①

Culture: C, Page 58

The foliage and flower present the appearance of a small feathery bush. The flowers are borne in great numbers from May through September.

8126 ×**Alpinum.** 4 in. Purple, blotched orange. Pkt., 25c.

8140 **Flavum.** 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Pkt., 20c.

8141 **—Compactum Nanum.** A glowing golden yellow, blooms for months and if cut back gives a fall crop. Pkt., 25c.

8127 **Narbonense Heavenly Blue.** The flowers are twice as large as the common Linum Perenne. The color is a luminous ultramarine blue. Blooms from seed the first year. Pkt., 25c.

8123 **Lewisii.** 2½ ft. A robust species with arching sprays of fragrant blue flowers with pale blotches. Pkt., 25c.

8125 **Perenne Blue.** 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. Pkt., 10c.

8361 **PLATYCODON** Mixture. Pkt., **10c.**

Lupinus Polyphyllus ①

Culture: A, B, D or E, Page 58

Inoculate Lupin seeds with Nitragin. Two garden sizes, 10c and 25c. Chill seed before sowing.

8170 **Albus.** Large, pure white spikes. Pkt., 10c.

8165 **Blue.** Stately spikes of blue. Pkt., 10c.

8174 **Downer's Hybrids.** Perpetual flowering hybrids. Pkt., 25c.

8175 **Roseus.** 4 ft. Light and dark rose. Pkt., 10c.

8171 **Famous Russell Strain. Mixed colors.** These remarkable Lupins are often 3½ ft. in length. The coloring has an enormous range and unique character. Flowers in 4 months from sowing. Gold Medal award by the R.H.S. (Grown from originator's stock seed). Pkt., 25c. Strong, blooming size. **Plants,** 3 for $1.35; doz., $4.50; **each,** 55c.

8179 **Vaughan's Special Mixture.** This is a choice mixture of the best English and American strains, including recent novelties. Pkt., 25c.

Lychnis ①

Culture: B, D or E, Page 58

A fine old-fashioned flower that livens up the border during summer and early autumn.

8190 **Chalcedonica (Maltese Cross).** 3 feet. June-Aug. Burning Star. Flowers fiery red in clusters, each blossom forming a Maltese cross. Will bloom from seed the first year. Pkt., 10c.

8196 **—Salmon Queen.** 3 ft. Salmon-pink, 15c.

8209 **Haageana Scarlet.** Large brilliant orange scarlet flowers. 18 in. Pkt., 15c.

8215 ×**Viscaria Splendens.** 1½ ft. Almost evergreen foliage, bright rose flowers. Pkt., 10c.

LYSIMACHIA Vulgaris. 2 ft. Oval shaped leaf, yellow flowers. **Plants,** 3 for $1.25; doz., $4.00; each, 50c.

LYTHRUM The Beacon Improved. Neat spikes of carmine red flowers. Height 3½ ft. **Plants,** 3 for $1.25; doz., $4.00; each, 50c.

8220 **—Roseum Superbum.** ① 4 ft. Rose-pink Pkt., 10c.

MONARDA Dahliatown Orchid. 2½ to 3 ft. Orchid-pink flowers in July. **Plants,** 3 for $1.50; doz., $4.75; each, 60c.

Myosotis (Forget-Me-Not)

×**Palustris Semperflorens.** Dwarf blue, in flower from early spring until autumn. Thrives in almost any situation and is an ideal variety for rock gardens or edgings.

8259 **Native Wild Flower Mixture.** Seeds of more than 100 different species, carefully collected in the field, are included. All are American, and all are collected in the temperate zone. There are few annuals, the rest hardy perennials. For sowing in woodlands, naturalistic borders, and wild flower gardens. Pkt. **25c**

Oenothera (Evening Primrose) ①

Culture: B, D or E, Page 58

Showy plants flowering from June to October.

8261 ×**Missouriensis (Macrocarpa).** 1 ft. Long trailing stems with yellow flowers. Pkt., 10c.

Platycodon ①
(Chinese Bell Flower)

Culture: B, D or E, Page 58

They resemble Campanulas, with dainty bell flowers on graceful stems, and are effective in the border foreground. They flower from June to September.

8360 **Grandiflorum.** 2-3 ft. Large handsome deep blue flowers. Pkt., 10c.

8365 **—Album.** White. Pkt., 10c.

8361 **—Mixture.** Pkt., 10c.

8363 **—New Giant Early Blue.** Oriental Bell Flower. Immense blossoms of blue-violet, great bells spread to starry form. Sometimes variants of pure white, or white streaked with azure, will appear. Blooms first year as quickly as an annual. Pkt., 25c.

8370 ×**Mariesii Blue.** 1 ft. Deep blue dwarf. Pkt., 10c.

8375 ×**—Alba.** White. Pkt., 10c.

Plumbago

Larpentae. 8 inches. Dwarf spreading habit covered with deep sky-blue flowers all summer. Rich color and abundance of bloom make ideal edging plant. **Plants,** 3 for $1.50; doz., $4.75; each, 60c.

PHLOX Harvest Fire, 3 for **$1.50. PHLOX** Bridesmaid, 3 for **$1.25.**

Hardy Phlox Plants

We offer varieties of Phlox which have proved to be long lived and resistant to disease, in a representative range of colors. All these varieties have large florets and heavy heads of bloom.

Appleblossom. Soft pink. 3 for $1.35; doz., $4.25; each, 55c.

Bridesmaid. White, crimson eye. 3 for $1.25; doz., $4.00; each, 50c.

Harvest Fire. Flaming orange red. 3 for $1.50; doz., $4.75; each, 60c.

Miss Lingard. Pure white. 3 for $1.25; doz., $4.00; each, 50c.

Painted Lady. Silvery pink with cherry eye. 3 for $1.25; doz., $4.00; each, 50c.

Thor. Deep salmon pink. 3 for $1.25; doz., $4.00; each, 50c.

Collection. One of each of the above six varieties, $2.00.

Dwarf and Subulata Phlox

Dixie Brilliant (Nivalis Sylvestris). Low spreading gray-green foliage, covered in early spring with rosy red flowers. 1 inch diameter. 3 for $1.35; doz., $4.50; each, 55c.

Subulata Vivid. Most profuse bloomer of all. Bright pink, red eye. 3 for $1.15; doz., $3.50; each, 45c.

Primula ①

There is a growing appreciation of the beauty of the amazingly varied Primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates slowly, may be in the ground a year.

Culture: C or B, Page 58

8403A × Auricula Large Flowering Mixed. 6 in. Flowers in early spring in colors of yellow, brown and red. **Seeds,** Pkt., 25c.

8407 Florindae. 3 to 4 ft. It bears from late June to late in August, 60 to 80 fragrant bright yellow pendent flowers at the top of its stem. Does well in full sun—heavy soil; hardy in Illinois. Pkt., 35c.

8410 × Japonica Special Strain. Colors range through white, rose, pink, crimson, mauve and lavender, bright crimson, orange eye. Pkt., 25c.

8412 Sieboldii. The large rich green leaves are crinkled and scalloped and the upright stems bear a quantity of large brightly colored flowers in April and May. 9 in. Pkt., 25c.

Polyantha Type (Bunch Primrose)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.

8416 × —Grandiflora, Mixed. An extra choice large flowered mixed strain. Pkt., 25c.

8419 —Kleynii. Lusty growth with many large golden yellow flowers, shaded apricot in center. Pkt. (60 seeds), 25c.

8423A —Monarch Strain. Undoubtedly the finest of all strains. Pkt., 25c.

Veris Blue Shades. A select strain, producing various shades of blue flowers. **Plants,** 3 for $1.50; doz., $4.75; each, 60c.

Wanda. The color is a deep, bluish-purple, closely approaching a clean violet. The novelty and striking beauty of its appearance make it sell itself. **Plants,** 3 for $2.00; doz., $6.25; each, 75c.

8424 Vulgaris (English Primrose). Pale yellow for wild gardens. Pkt., 25c.

8340 PHLOX Decussata Mixed. 2-3 ft. This special mixture comes from a superior collection of large-flowering sorts. We flowered this mixture in our nursery last summer and were greatly pleased with the size of the flowers and flower-heads and colors. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c.

8293 POPPY Iceland Emperor. 18-22 in. Finest giant orange variety, of distinct new form, with broad overlapping fluted petals giving effect of semi-doubleness. Blooms freely first year from seed. Pkt., 25c.

8313 **POPPY** Oriental Named New Varieties. Mixed. Pkt., **25c.**

Pentstemon (Beard Tongue) ①

Culture: B, D or E, Page 58

They are very showy, growing from 2 feet to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped flowers.

8323 × Blue Gem. 1 ft. Compact with charming blue flowers. Pkt., 25c.

8335 Digitalis. 2 ft. June-July. White flowers with purple throat. Pkt., 25c.

8338 Hardy Perennial Blend. Pentstemons are most satisfactory perennials. This mixture contains many varieties not listed separately. Pkt., 25c.

Physalis Franchetti ①

Culture: B, D or E, Page 58

8345 Chinese Lantern Plant. 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns, useful in winter bouquets. Pkt., 10c.

8346 Physalis Gigantea. The attractive orange-scarlet balloon-shaped seed pods are very large and will make excellent winter decorations. Pkt., 20c.

PERENNIAL SEED MIXTURES

Mixtures of perennial seeds similar to our popular surprise garden of annuals.

8600 Dwarf. 6 to 15 in. **8601 Medium.** 18 to 36 in. **8602 Tall Sorts Mixed.** 3 ft. and upwards. Each of above, per pkt., 25c; 3 pkts. for 65c.

Perennial Poppies

ICELAND or Nudicaule 12 to 18 in.

Culture: B, Page 58

Cool moist soil is necessary, and light shade preferred. If faded flowers are picked off plants blossom all summer, and they usually bloom the first year from seed. 12 inches.

8272 Cardinal. This is a brilliant cardinal-red on long and strong stems. Cut in bud-stage, the flowers will keep for a long time. Pkt., 25c.

8291 Gartford Giant Art Shades. Exceptionally large flowers, fluted and carried on long wiry stems. The colors include lovely pastels. Pkt., 25c.

8281 Yellow Wonder. Buttercup yellow flowers on stems 25 in. long, heat and drought resisting. Pkt., 25c.

8292 Empress. 18-22 in. A companion to Emperor, even more nearly double, with delightful color range of salmon rose and pink tones. Pkt., 25c.

8279 Vaughan's Special Iceland Poppy Mixture. We have included in this all the newer varieties and older forms. Pkt., 25c.

8270 × Nudicaule Mixed. Pkt., 10c.

ORIENTALE (Oriental Poppy) 3 ft. May-June

These gorgeous spring flowers, often six inches across, of vivid coloring, may be left undisturbed for years. They are beautiful with the tall bearded Iris.

The named varieties of Oriental Poppies do not come entirely true from seed.

8307 Beauty of Livermere. Finest dark crimson. Pkt., 25c.

8309 Mrs. Perry. Delicate salmon-rose, black base. Pkt., 25c.

8305 Princess Victoria Louise. Large flowers, soft lilac-rose color. Pkt., 15c.

8310 Red. Very striking color. Pkt., 10c.

8313 Named New Varieties Mixed. Seed collected from a field of the newer named sorts. Lovely pinks, lake, rose and white and other lighter shades. Pkt., 25c.

Polemonium (Jacob's Ladder) ①

Culture: B, D or E, Page 58

Free flowering hardy perennial herbs; belong to the Phlox order. They have graceful, pinnate leaves, and bear their flowers in loose heads. Showy plants for the mixed, sunny border, blossoming with the Tulips.

8388 Coeruleum Richardsoni. 18 in. Large sky-blue flowers with a yellow eye. May to Sept. Pkt., 25c.

8387 × Reptans. 6 in. Flower sprays china-blue Mounds of beautiful blossoms. Pkt., 25c.

Pyrethrum Roseum

(Painted Daisy) May-June

Culture: B, D or E, Page 58

Their large flowers, well named Painted Daisies, blossom with the tall Iris and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft.

8433 Double and Single Mixed. Pkt., 35c.

8436 James Kelway. Rich velvety blood-red. Pkt., 25c.

8438 Robinson's Hybrids, Mixed. A selection made by an English specialist, with a fine color range of single overlapping petals carried on long stiff stems. Pkt., 25c.

8438A Robinson's Crimson. The best red. Pkt., 25c.

8435 Single Mixed. Pkt., 10c.

Rose

Culture: B, D or E, Page 58

8452 The Baby Rose. Multitudes of tiny roses in varied lovely colorings, but largely in white, blush or delicate pink. Flowers single to fully double. More or less everblooming. Quick from seed, and from earliest spring sowings, plants will be in flower by June, midgets but four inches high. Pkt., 25c.

Rudbeckia (Cone Flower) ①

Culture: B, D or E, Page 58

Hardy, free flowering and easily grown perennials belonging to the Daisy order. Excellent and showy plants for sunny or partially shaded borders, and for yielding flowers for cutting.

"The King." Habit of growth similar to ordinary species but Daisy shape blossoms are larger, petals are held erect and color is distinct wine-red with large brown center cone. Flowers have long life, 3 ft. July-Sept. **Plants,** 3 for $1.25; doz., $3.75; each, 50c.

Salvia ①

Culture: B, D or E, Page 58

Showy, hardy plants of medium growth and of easy cultivation in sunny borders. Grow on dry side and without fertilizer. The flowers are borne in spikes, racemes, or panicles, and are very attractive during the summer months.

8475 Pitcheri. Delightful flowers of brightest azure blue, carried in long racemes. Foliage is silver dusted. Fully hardy and long lived perennial, that will nevertheless bloom the first year from seed if sown early. Pkt., 20c.

8480 Patens. 2 ft. Large, rich deep blue flowers. Roots can be wintered in cellar. Sept. Pkt., 25c.

Statice (Sea Lavender) ①

Culture: B, D or E, Page 58

They are stemless, the leaves springing direct from the root stock; and the flower stems are more or less twiggy, bearing their small flowers in much-branched panicles. The flowers are useful for drying for winter.

8516 Caspia. The multitude of small flowers composed in spikes 2 to 3 ft. long; tender lilac. Pkt., 15c.

8515A Dumosa. It forms densely packed cushions of pure silvery gray flowers. Their stems are stiff and wiry; the panicles are thickly covered with blossoms. 2 ft. Pkt., 25c.

8520 Latifolia. 2 ft. Grown for its lovely lacy foliage and purplish blue minute flowers produced all summer; if cut and dried, is useful for winter bouquets. Pkt., 10c.

Stokesia (Stokes' Aster) ①

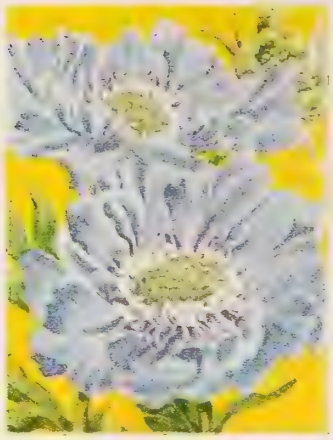
Culture: B, D or E, Page 58

Large flowers, resembling a single Aster, prefer a light soil, and some winter protection.

8525 Cyanea. 18 in. July-Oct. Flowers rich blue. Pkt., 15c.

8535 —Mixed. Blue and white. Pkt., 15c.

Blue Moon. A perfectly hardy and vigorous variety with exceptional merit. The vivid blue disc-like flowers, often 5-6 in. in diameter, are borne well above the plant on stems 12-18 inches long. Blooms throughout season. **Plants,** 3 for $1.50; doz., $4.75; each, 60c.



8490 **SCABIOSA** Caucasica Perfecta. Seeds. Pkt., **15c.**

Scabiosa ①

Culture: B, D or E, Page 58

They are in bloom from June to October, require little space and thrive in ordinary soil. The graceful flowers in delicate shades of blue and lavender are borne on long, erect stems and are a valuable cut flower.

8490 Caucasica Perfecta. 18 in. Light blue flowers prettily fringed on long stems; fine for cutting. June-October. Pkt., 15c.

8491 —Alba. Pure white comes true. Pkt., 25c.

8494A Caucasica Vaughan's Special Mixture. Large fringed and ruffled flowers from lavender to dark blue; some pure white. Pkt., 25c.

8492 House's New Giant Hybrids. 18 in. June-Oct. Large flowers in various shades of lavender. Pkt., 25c.

Saponaria ①

Culture: B, D or E, Page 58

8482 ×Ocymoides Splendens. 6 in. A showy dwarf trailing plant, producing a sheet of rose colored flowers. June-August. Pkt., 10c.

Thalictrum (Meadow Rue) ①

Culture: B, D or E, Page 58

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting, and their leaves, resembling the maiden-hair fern, are attractive both in the border and when cut. They grow easily from seed.

8545 Dipterocarpum. 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers. Pkt., 25c.

Thermopsis ①

Culture: B, D or E, Page 58

8548 Caroliniana. 3 to 5 ft. June and July. The long, graceful spikes of yellow Lupin-like flowers blossom with the Delphiniums and provide an excellent foil for their blues. Pkt., 25c.

Tritoma, Red Hot Poker ①

Culture: B, D or E, Page 58

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

8558 Pfitzer's Hybrids. Orange scarlet. Pkt., 15c.

Trollius (Globe Flower) ①

Culture: C, Page 58

Globe flowers of unique character, of bright orange or yellow, and finely cut leaves, make this a desirable subject for moist, lightly shaded locations or pool sides. Better sown in fall, as seed needs freezing to germinate.

8551 Ledebouri. 2 ft. Orange flowers. Pkt., 50c.

Tunica ①

Culture: B, D or E, Page 58

8559 ×Saxifraga. A pretty tufted plant with light pink flowers, produced all summer. Useful either for the rockery or the border. Pkt., 15c.

Valeriana ①

(Garden Heliotrope)

Culture: B, D or E, Page 58

8560 Rubra. 2 ft. Showy heads of old rose flowers in umbels on 12 inch stems. Pkt., 10c.

8561 Mixed. Pkt., 10c.

8562 Officinalis. 3 to 4 ft. Produces showy heads of rose-tinted white flowers during June-July with delicious strong Heliotrope odor. Pkt., 25c.

Verbascum (Mullein) ①

Culture: B, D or E, Page 58

Plants of stately growth. The leaves more or less woolly, and the flowers are borne in branched spikes. Belongs to the Foxglove order.

8569A Harkness Hybrids. 6 ft. Immense spikes well furnished with large pure yellow flowers during the whole summer. Pkt., 25c.

8568 Hybridum, Miss Willmott. The large white flowers are produced in stately spikes, rising 5 to 6 feet. July to frost. Pkt., 15c.

8567 Olympicum. 6 ft. Silvery foliage; golden yellow flowers borne in large pyramidal spikes. June-Sept. Pkt., 25c.

8569 Phoeniceum Hybrids. 2 ft. Bears white, purple, rose or red flowers in erect spikes. Pkt., 25c.

Veronica (Speedwell) ①

Culture: B, D or E, Page 58

Hardy, herbaceous perennials varying in height from a few inches to 3 or 4 ft., and bearing blue or white flowers in terminal spikes or racemes.

8570A Spicata Blue Fay. Is larger growing than ordinary Spicata, being sort of midway between that and Longifolia Subsessilis. It has the shiny foliage instead of glaucous and the color is a good bright blue, and good spikes. Pkt., 25c.

8577 ×Incana. White woolly plant, numerous blue flowers. 12 in. June-July. Pkt., 25c.

8576 Longifolia. 2½ ft. Spikes of light blue flowers, glaucous blue foliage. July-Sept. Pkt., 15c.

8570 Spicata. Blue. 2 ft. July-August. Flowers violet blue in long spikes. Pkt., 15c.

VERONICA Subsessilis. 2 ft. July-Sept. Conceded to be the best of the Veronicas. It blooms latest of all; the large spikes of dark blue flowers are borne on stiff stems well above the foliage. **Plants,** 3 for $1.25; doz., $4.00; each, 50c.

Vinca Minor

(Grave Myrtle) ×

Valuable for rockeries or makes a fine evergreen carpet under and about shrubs and trees. 4 in. June. Green foliage, large blue flowers.

Bowles Variety. Glossy leaved plant which makes a fine evergreen for shady locations. Flowers are a charming intense blue. **Plants,** 3 for $1.15; doz., $3.50; each, 45c.

PLANTS OF HARDY SWEET VIOLETS

×Frey's Fragrant. Large deep purple single blooms, standing well above the heavy foliage. **Plants,** 3 for $1.25; doz., $4.00; each, 50c.

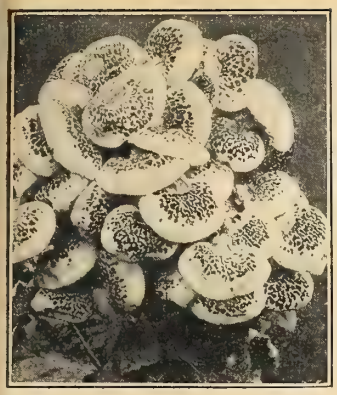
×Double Russian. The true hardy double violet. Very double, dark purple flowers, intensely fragrant. Plant in shade and mulch. **Plants,** 3 for $1.35; doz., $4.50; each, 55c.

×Rosina. New. Abundance of very fragrant, rose-pink flowers. It also blooms more freely in Autumn than other varieties; very often it will bloom all October. Extremely hardy and a gem for the shady corner. **Plants,** 3 for $1.25; doz., $4.00; each, 50c.

Royal Robe. Lustrous violet blue, very fragrant, opens like pansy. **Plants,** 3 for $1.50; doz., $4.75; each, 60c.

8587 WILD FLOWERS FOR SHADE. A mixture of our native wild flowers which will do well in shaded locations. Some may be annual, some perennial, some easy and some hard to grow, but with patience you should get a wonderful showing. The better your soil is prepared the better will be your stand. Large pkt., 25c.

8589 WISTERIA Chinensis Blue. Climber, purplish pea-shaped flowers. Pkt., 10c.



1184 CALCEOLARIA Hybrida Triumph. Pkt., $1.00.

1716 CINERARIA Cremer's Prize Mixture. Pkt., 50c.

2560 GLOXINIA Vaughan's International Mixture. Pkt., 25c.

4477 PRIMULA Malacoides Ericksson's Special Mixture. Pkt., 35c.

House Plants from Seed

AGAPANTHUS ÷

Culture: C, B, D or E., Page 58

175 Umbellatus (Blue Lily of the Nile) 1 ft. Bright blue flowers produced in clusters on long stems. Does well out of doors in all Southern States. House plant in the North. Pkt., 15c.

ANTIRRHINUM Snapdragon ① ÷

For Greenhouse Forcing.
Culture: D or E, Page 58

BRONZE

362 Afterglow. Golden bronze. Pkt., 50c.
381 Early Glorious. Deep bronze shaded scarlet. Pkt., $1 50.
399C Sunlight. Finest early golden bronze. Pkt., $1.00.
400 Suntan. Rose shade of tan yellow lip. Pkt., 50c.

LAVENDER

367 Bertha Bauer. Standard lavender. Pkt., 50c.
405A Schumann's Lavender. True color. Pkt., $2 00.

RED

401 Velvet Supreme. Rich American Beauty color. Pkt., 50c.

ROSE AND PINK SHADES

375 Cheviot Maid Supreme. Deep rose pink. Pkt., 50c.
378A Daybreak. Briarcliff shade of pink. Pkt., 50c.
395C Marie Louise. Beautiful shell pink. Pkt., $2.00.
399 Peggy Schumann. Pink, a large close flowering. Pkt., $2.00.
408A Rose Queen. Dark pink. Pkt., 50c.

WHITE

395 Lucky Strike. Early flowering white. Pkt., 50c.
394A Koester's White. Pure white. Pkt., $1.50.

YELLOW

374 Ceylon Court. Dark canary yellow. Pkt., 50c.
409A Cheviot Maid. Yellow. Pkt., 50c.
380 Ethel. Bright yellow. Pkt., 50c.
426 VAUGHAN'S MIXTURE OF GREENHOUSE VARIETIES. A mixture of the forcing varieties we list. Pkt., 50c.

ASPARAGUS ÷

Culture: C. Pot up in fall, force in greenhouse. Page 58

480 Plumosus Nanus. + 3 ft. Pkt., 25 seeds, 30c.
485 Sprengeri. + Finest material for hanging baskets. Pkt., 25 seeds, 30c.

CALCEOLARIA +

Culture: C. Pot up in fall, force in greenhouse. Page 58

1179 Hybrida Multiflora Nana, Mixed. The average size of the blooms is only 1½ inches, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast., Pkt., $1.00.
1184 Hybrida Grandiflora Triumph Strain. A truly outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigered or spotted. This strain produces bushy, shapely plants with clean foliage. Pkt., $1.00.

CINERARIA Hybrida +

Culture: C. Pot up in fall, force in cool greenhouse. Page 58

1715 Vaughan's Columbian Mixture. A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt. (75 seeds), 25c.
1716 Cremer's Prize Mixture. The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. Pkt., 50c.
1726 Multiflora Nana Gold Center. The golden yellow stamens make a wonderful contrast with the blues, reds and pinks of the flowers. Pkt., 50c.
1718 Potsdam Strain, Mixed (Berlin Market or Weissensee). Taller and larger flowered than Cremer's Prize mixture. Pkt., 50c.

1816 CLITORIA Ternatea. + Very graceful vine covered with hundreds of fan like flowers of deep blue with soft yellow throat. Outdoor plant in the south; in the north, indoor culture advisable. Pkt., 25c.

CYCLAMEN Persicum Giganteum +

Culture: C. Pot up in fall, force in greenhouse. Page 58

2010 Mixed. Large, colorful fragrant blooms on strong erect stems, well above the ornamental foliage. It takes nearly 18 months to produce blooming plants from seed. 10 seeds, 25c; 25 seeds, 60c

DRACAENA Indivisa □+

Culture: D, E or C (Jan.-July) Page 58

2350 Ornamental leaved plants; long, narrow, green-leaved foliage. 2 ft. Pkt., 10c.

FREESIA □ ÷

Culture: D, E or C, Page 58

2451 Dalrymple Special Strain. Large sweet scented flowers borne on long stems, in blue, lavender and many shades of yellow. Pkt. (50 seeds), 50c.
2454 Golden Daffodil. Color clear light yellow with orange blotch. Large flowers on strong stiff stems. Pkt., 25c.

FUCHSIA (Ladies' Eardrop) ÷

Culture D or E (Feb.-April), Page 58

2460 Double and Single Mixed. ÷ 1 to 4 ft. Well-known greenhouse plant, blooms from seed first year, if planted early. Pkt. (20 seeds), 25c.

GERANIUM ÷

Culture: D or E, Page 58

These grow readily from seed the first year and produce blooming plants the first summer.

2490 Large Flowering. Newest Varieties Mixed. Pkt. (50 seeds), 25c.
2491 Flowerland Strain—See Novelties. Pkt., 35c.

2846 House Plants Mixed. A mixture of the following: Begonia, Calceolaria, Cineraria, Cyclamen, Primula Malacoides and Obconica mixed. Pkt., 50c.

GREVILLEA ÷

Culture: D or E (Jan.-April) Page 58

2675 Robusta (Silk Oak). ÷ 1 to 5 ft. Grows rapidly from seed, and is pretty in all stages of growth, with its long, drooping, silky foliage. Pkt., 15c.

GLOXINIA +

Culture: D or E, Page 58

2560 Vaughan's International Mixture. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. 12 in. Pkt., 25c.

MARIGOLD □

Culture: D or E, Page 58

3122 Lieb's Winter Flowering. Mahogany brown with golden yellow crested center. Pkt., 25c.
3125 Lieb's Winter Flowering Sunshine. Golden orange, yellow center. Pkt., 25c.
3145 French Tall Double Winter Harmony. Golden orange center, reddish brown guard petals. This is an entirely new type for winter flowering in the greenhouse. Very uniform growth, long stems, 2½ inch flowers, and comes 100% double and true to type. Pkt., 25c.

PANSY □

Culture: A, B or C, Page 58

3841 Vaughan's Long Stemmed Winter Flowering Re-selected Mixed. It has a much wider color range than the original Winter Flowering strain and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance. Sow in summer for Midwinter blooming. Pkt., 50c.

PRIMULA ÷

Culture: D, C or E, Page 58 ÷

4465 Chinese Vaughan's International Mixture. Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. Pkt. (100 seeds), 35c.

Primula—Various Sorts

Culture: C (May-July). Pot up July-Sept., Page 58

New Giant Malacoides

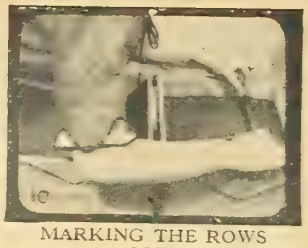
4469 Snow Flake. Has flowers of the purest shimmering snow white one can imagine. 200 seeds, 35c.
4470 Mixture. Contains a good many varieties still in the developmental stage. Pkt., 200 seeds, 35c.
4477 Ericksson's Special Mixture. (Riverside Strain). This is the newest strain, flowers are larger, stems are heavier; foliage is stiffer, more upright and heavier. Flowers have more substance and last longer. Pkt., (50 seeds), 35c.

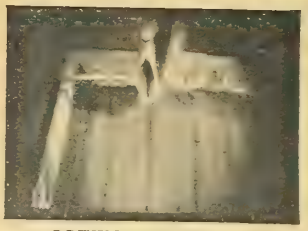
Primula Obconica Grandiflora

Culture: D or E (Jan.-April); C (May-July). Winter in greenhouse. Germination 3-4 weeks. Page 58

4487 Fasbender Red. Large rich deep red. Pkt. (200 seeds), 50c.
4496 Gigantea Wyaston Wonder. The huge heads of bright crimson flowers are carried on strong stems well above the foliage. In spite of the vigorous growth, Wyaston Wonder makes a compact and tidy plant. Pkt., 50c.
4495 Obconica Grandiflora Mixed. Good mixture. Pkt. (200 seeds), 25c.
4493 Double Portland Beauty. Ranging in color from light pink to rose-pink. Pkt. (250 seeds), $1.00.

FIRMING THE SOIL


MARKING THE ROWS


SOWING THE SEED

COVERING THE SEED

SOWING SEEDS IN THE INDOOR BOX

FLOWER SEED CULTURES—HOW TO SOW

IN FIVE paragraphs below, designated A, B, C, D and E, we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject.

While our cultural instructions are definite, detailed and exceptionally thorough, they should be supplemented by reading in good gardening books and by obtaining, at first hand, advice from successful gardeners in your neighborhood. Success in gardening requires study, and the opportunity for enlarging one's information and trying out new things is one of the most fascinating features of gardening.

A **Sow in the bed, border or row where the plants are to grow.** The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may usually be moved to a new location.

B **Sow in outdoor seed bed, to be transplanted.** The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing across it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up, while shade when needed, as in midsummer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

C **Sow in flat, pot or pan outdoors or in a cold frame.** This method is applicable to slow germinating subjects, some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D," firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out. A mulch of peat moss will help retain moisture. In winter, place in a protected place outdoors and cover with leaves. Have patience with slow germinating subjects; do not disturb too quickly. Any live seed will eventually grow if given time enough, provided soil, moisture supply, etc., are right. When seedlings appear and make true leaves, transplant to pots, nursery row or permanent location. If moss forms on soil surface, sprinkle fresh earth over top.

D **Sow indoors in a box, pot or pan.** This method may be followed where there is a window facing south, enjoying sunlight most of the day. Use a standard florists' pot or pan (shallow pot) or a "flat," which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half sand and half black loam. It may be obtained from florists. Firm the soil, and sow the seeds in rows, marking each row to identify the sowing. Water by setting the box or pot in water, so that it soaks up from below, or use a fine spray which does not wash the soil. Place in a dark place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on glass wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry out. When the seedlings have made true leaves (the second set), they should be transplanted to other flats, giving at least two inches of space apart; or they may be moved to small pots or to an outdoor seed bed or border.

E **Sow in a hotbed or cold frame.** A cold frame or a hotbed heated by manure or other means may be used. The best method with flower seeds is to sow seeds in flats, which are placed in the frame. With manure heated beds, seeds should not be sown until the temperature of the newly made bed has dropped to 90 degrees. Watering and ventilation are important. On sunny spring days, always prop up one end of the sash to prevent overheating, which may occur quickly and cause spindly growth. Do not allow the soil to dry out. When the seedlings have made true leaves, they should be transplanted to other flats, spaced two inches apart each way; or to the soil in the hotbed, or to an outdoor location, if late enough.

GARDENING BOOKS

All Books on This Page Postpaid

COMMERCIAL FLOWER FORCING. By Laurie and Kiplinger. The object of this concise treatise is to cover the fundamentals involved in the growing of various flower crops used for commercial purposes and deal with them from the viewpoint of practical culture. The treatments recommended follow the routine practice of the better growers, supplemented by a vast volume of experimental work done under the experienced supervision of the authors. 49 illustrations. 598 pages. $4.50.

FRUIT GROWING—PRINCIPLES OF FRUIT GROWING. By L. H. Bailey. Practical information for growers of every kind of tree and bush fruits. Tells where to locate the orchard, how to plant, cultivate, prune, spray, and do every other operation necessary to bring high production. Methods of harvesting, grading, and marketing are described. 186 illustrations. 432 pages. $3.50.

GARDEN ENCYCLOPEDIA, AN ENCYCLOPEDIA OF GARDENING. Written by a group of American horticultural experts and edited by E. L. D. Seymour, B. S. A. A single big volume that gives you the scope and contents of a whole shelf full of garden books. 1,380 pages, 750 illustrations, including 250 photographs. Victory Garden Edition, $3.50.

GARDEN FLOWERS IN COLORS. By G. A. Stevens. The 400 brilliant and lifelike color plates of flowers contained in this book make it the greatest value that has ever appeared in picture books. Valuable as a means of identifying garden flowers. 320 pages. Formerly $3.75. Now $1.98.

GARDEN GUIDE. Amateur Gardeners' Handbook. Deals thoroughly with most effective handling of every growing thing in the garden and home grounds. 300 photographic illustrations. 559 pages. $2.00.

PEST CONTROL IN THE HOME GARDEN. By Louis Pyenson. This indispensable manual is illustrated with 111 photographs and line drawings. The photographs identifying both foes and friends are made from Kodachrome slides taken by the author. The line drawings demonstrate how to operate necessary machinery. 190 pages at $2.00.

PROPAGATION OF PLANTS. By Kains and McQuesten. A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management. In direct, simple language it discusses all phases of the subject, explains technical and scientific terms and tells clearly the how and the why of all processes. 639 pages. $3.50.

PRUNING MANUAL. By L. H. Bailey. How and when to prune trees, shrubs, and vines. Explains the physical structure of plants, their habits of growth, methods of flower and fruit bearing and how pruning can be fitted intelligently to these. 381 illustrations. 400 pages. 5x7¾ inches. $3.50.

10,000 GARDEN QUESTIONS, Edited by F. F. Rockwell, Answered by 15 Experts. Real questions from real amateurs, with brief authoritative answers. Among them you will find the solutions to your problems . . . Helpful diagrams and illustrations supplement the text . . . A quick action index places all the information at your finger tips. 1467 pages at $3.95.

THE FOOD GARDEN is a how-to-do-it book. The twenty double-page spreads of line drawings with instructions show in detail the various steps in the cultivation of each crop and the particular problems of each that beset the gardener. The text gives full explanations of the drawings and further cultural directions. 148 pages with 40 full-page drawings, size 8½ x 10¾ inches. $2.00.

VICTORY GARDEN MANUAL. By James H. Burdett. This intensely practical book embodies the experience of the first Victory Garden year, and gives complete instructions for planning, planting and maintaining a Victory Garden which will supply food in profusion but without waste, and of maximum nutritive value. Simple direct instructions are given for applying in your garden the latest discoveries of science. Fifty graphic illustrations, 4 color plates, 128 pages. $1.75.

Vaughan's Vegetable Seeds

Basic Victory Garden $1.

11 Varieties—Value, $1.45 Prepaid

THIS collection provides the minimum planting of protective foods which should be made for a family of four. It includes the vegetables which combine highest nutritive values with ease of culture, except tomatoes, for which plants started early under protection may usually be obtained at planting time. Each of these vegetables SHOULD BE GROWN AND EATEN to maintain health, and all surplus should be preserved for winter WHILE IT IS YOUNG, FRESH and DELICIOUS. With each collection will be sent a suggested planting plan to give all-season yield.

11 Items, as follows, value $1.45, prepaid $1.00.

	Catalog Value
½ lb. Green Pod Bush Bean Plentiful	25c
1 pkt. Swiss Chard Lucullus	10c
1 pkt. Leaf Lettuce Black Seeded Simpson	10c
1 pkt. Carrot Table Queen	20c
1 pkt. Parsley Champion Moss Curled	10c
1 pkt. Beet Good for All	15c
1 pkt. Radish Crimson Giant	10c
1 pkt. Wax Pod Bean Pencil Pod	10c
1 pkt. Turnip Purple Top White Globe	10c
1 pkt. Onion White Lisbon	15c
1 pkt. Bush Lima Bean Henderson	10c
Catalog Value	$1.45

Collection prepaid in U. S. A. for $1.00

TO AVOID waste, save money and work, and reap the greatest harvest possible from your Victory Garden:

1—Grow vegetables your family likes, in quantities which you can use.

2—Provide a continuous harvest through the garden season in your locality, with a substantial surplus for winter canning.

3—Place emphasis on the protective foods, rich in vitamins, which are especially needed under a rationed diet to avoid malnutrition.

Produce Without Waste

Grow the vegetables your family will eat and put up for winter, and no more. Below shows the space in a garden row which should produce one serving for a family of four. Estimate the number of times each week you would like each vegetable to appear on your table, then plant to produce all needs.

Snap Beans	1 ft.	Kohlrabi	2 ft.
Lima Beans	2 ft.	Leeks	2 ft.
Beets	1 ft.	Lettuce, Leaf	1 ft.
Broccoli	1 ft.	Spring Onions	1 ft.
Brussels Sprouts	1 ft.	Parsley	½ ft.
Cabbage	2 ft.	Parsnips	2 ft.
Chinese Cabbage	1½ ft.	Peas	3 ft.
Carrots	2 ft.	Peppers	1 ft.
Cauliflower	2 ft.	New Zealand Spinach	½ ft.
Celery	1 ft.	Radish	1 ft.
Collards	1 ft.	Rutabaga	2 ft.
Sweet Corn	4 ft.	Salsify	2 ft.
Cucumbers	2 ft.	Spinach	3 ft.
Egg Plant	1 ft.	Squash	3 ft.
Endive	1 ft.	Swiss Chard	½ ft.
Kale	1 ft.	Tomatoes	½ ft.
		Turnips	1½ ft.

Plan for All Season Harvest

Many vegetables have a short harvest period. Your sowings of these must be divided into two, three or more plantings, to spread the harvest throughout the season.

Below we give the approximate time that one sowing will remain in top condition after harvest begins. Plan your second sowing so that when this period is ended, a succession crop will be ready.

Crop	Harvest Lasts
Beans	4 weeks
Beets	6 weeks
Carrots	8 weeks
Cucumbers	4 weeks
Endive	6 weeks
Lettuce	6 weeks
Kohlrabi	3 weeks
Turnips	2 weeks
Spinach	2 weeks
Sweet Corn	10 days
Onion Sets	4 weeks
Peas	2 weeks
Radish, early	1 week
Radish, midseason	2 weeks
Radish, winter	6 weeks

Most Nutritious Vegetables

This table has been prepared from the best authorities available as an approximate guide to the relative value of vegetables as the source of vitamins.

VITAMINS REQUIRED DAILY FOR BUOYANT HEALTH
National Nutrition Conference's Recommendation for Active Adult

A	B1	C	B2 (Riboflavin)
5,000 I.U.	600 I.U.	75 Milligrams	2.7 Milligrams

	A I. U.	B1 I. U.	C Mg.	B2 Mg.
Beans, Green Stringless	600	20	7	.....
Beans, Lima	125	100	13	0.25
Beans, Wax Stringless	410	25	...	.....
Beet Greens	12,000	15	28	.....
Beet Root	40	24	10	.....
Broccoli, Green	4,000	25	50	.....
Brussels Sprouts	1,100	50	90	.....
Carrots	2,700	32	3	.....
Celery, Green Stalks	320	...	2	.....
Celery, White Stalks	2	5	2	.....
Chard	9,000	10	21	.....
Chicory (Endive or Escarole)	9,500	12	5	0.022
Collards	7,000	50	22	.....
Corn, Yellow Sweet	1,250	22	4	.....
Corn, White Sweet	125	18	4	0.13
Kale	10,000	59	140	0.50
Lettuce, Green Leaf or Cos Varieties	6,000	18.6	4.6	.12
Onions, Spring	6,200	...	...	.....
Parsley	1,000	...	11	.....
Parsnips	380	66	38	.....
Peas, Green	530	78	13	.....
Peppers, Green	600	69	0.12	.....
Peppers, Red	2,200	...	135	.....
Spinach	14,000	27	13	.....
Spinach, New Zealand	7,500	10	0.45	.....
Squash, Summer	1,000	15	...	.....
Squash, Winter	2,900	21	3.5	.....
Tomatoes	3,000	26	25	0.05
Turnip Greens	6,000	35	42	0.25
Turnip Roots, White	20	12	30	.....

Artichokes

Artichoke Green Globe. Grown for its edible blossoms. It is a perennial but will not stand hard freezing and requires renewing every two or three years. It has edible blossoms which mature the second year after planting. Pkt., 15c; ½ oz., 50c; oz., 90c.

Jerusalem Artichoke Roots. About five bushels plant an acre, enough to keep 20 to 30 hogs from Oct. to April. Cut and plant like potatoes. In Europe the tubers are baked, like potatoes, and esteemed as food because of their distinctive flavor. Tubers can be supplied in March and April. 10 lbs., $1.25; bu. (50 lbs.), $6.25. By express, collect. Write for quantity prices.

Asparagus

ASPARAGUS from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil, either from seed or roots.

SEED PLANTING — Asparagus may be raised from seed and a crop obtained in three years. One ounce of seed will produce 300 plants.

ROOT PLANTING — A year may be saved by buying the plants and setting them two feet apart in the row, and the rows four feet apart.

WASHINGTON RUST-RESISTANT STRAIN. Developed by the experts of the United States Department of Agriculture, who originated this strain. Rust-proof plants are preferred by commercial growers. The most satisfactory strain is MARY WASHINGTON.

Mary Washington. Pkt., 10c; oz., 25c; ¼ lb., 75c.

ASPARAGUS ROOTS

	2-Year Old		
	Doz.	100	1000
Mary Washington	$0.75	$3.25	$30.00

If by mail, add postage as follows 100, 50c.

PLANT AND POD OF EDIBLE SOY BEAN

Edible Soy Beans

We offer four strains of edible Soy Beans, differing radically from the field varieties, developed to provide a valuable and palatable human food. Soy Beans have proteins, 36.5%; fats, 17.5%; compared with Navy Beans' proteins, 22.7%; fats, 1.5%. They are esteemed highly as a food for diabetics. Yield is much heavier for same area than Navy Beans. University of Illinois, Urbana, Ill., will supply on request "Ways of Using Soy Beans as Food."

Bansei. 90 days. 18 to 24 in. tall, the earliest and best in Northern districts. Pods 2½ x ½ x ⅜, pale green turning to pale greenish yellow.

Mendota. 95 days. Resembles Bansei in height of plants. Beans larger than Bansei, about 5 days later, very prolific.

Willomi. 95 days. Plant 3 ft. tall, otherwise similar to Bansei.

Jogun. 98 days. Plant 30 in. tall, otherwise similar to Bansei. One of the most productive.

Above Soys. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c.

BEANS

One week before frost proof date sow bush beans 2 inches deep, 2-4 inches apart, pole beans, 4-6 inches apart. Harvest pods before seeds form. If picked clean, plants will bear until frost; but young plants yield best and succession plantings are advised.

Green Pod Bush Beans

QUALITY in Beans is measured by stringlessness, by tenderness, or the absence of fiber, or "linen" in the pod; by ability to produce well; a long straight pod being preferred. After the harvest our Beans are hand-picked. The improvement in your crop far outweighs the increased cost.

★Tendergreen. 52 days. Good sized bush bearing long round pods of excellent color. 6 in. long, ⅜ in. through. Good green color, straight, stringless. Seed: mottled buff and purple. Does best in black loam soil. Pkt., 15c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., $1.15.

★Streamliner. 55 days. This is among the most productive of the bush types, a large bush of upright growth, bearing an extra heavy crop of long, straight semi-flat pods, 7 in. long, ½ to 9/16 in. wide and fleshy. For home use it will continue bearing when others have ceased. The quality is excellent; stringless, nearly fiberless, fleshy, round to flat, straight. Seed clear white, kidney shape, excellent as dry bean. Does well in medium heavy soil. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., $1.15.

★Plentiful. 55 days. Large bush, bearing dark green pods that have a waxy or varnished shade which is not desirable for canning. Pods 6½ in. long, ½ in. wide. Tender, free from fiber, fleshy, straight, stringless, said to be resistant to common rusts. Does best in medium heavy soil. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., $1.15.

★Bountiful. 49 days. One of the foremost Market Garden types. A sturdy bush, bearing long flat pods, 6½ in. long, ½ in. wide; stringless, straight, medium light green, some fiber but an excellent shipper. One of the fastest picking beans, good flavor. Seed: solid straw color or brownish yellow. Does well in any soil. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00.

Giant Stringless Green Pod. 53 days. Very similar to Landreth's Stringless, but pods a little more curved and more fleshy with more indentation between the beans. Pods 6 in. long, 7/16 in. diameter. Stringless, tender, good flavor, a good canner and home garden sort. Seed: oval and yellowish brown. Does best in heavy soil. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00.

Logan. 48 days. See Novelty Pages. Pkt., 25c; ½ lb., 30c; lb., 50c; 2 lbs., 95c.

Black Valentine Stringless. 52 days. Medium size bush bearing quantity of long fleshy pods, 6 in. long, ⅜ in. wide and from oval to flat, with good green color. Stringless and of good quality, excellent shipper. Seed black, oval. Does best in heavy soil. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00.

Red Valentine Stringless. 53 days. Medium bush, bearing fair crop of round pods 4½ in. long, ⅜ in. diameter, creased back, fleshy, brittle, fine grained, used principally in the south. Seed purplish red splashed with buff. Does best in heavy soil, cold resister. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00.

Wonderful. 53 days. The vigorous bush type, resembling Tendergreen in color, having dark foliage, pods averaging 1 inch longer than Bountiful, flat, stringless until mature, slightly curved, excellent quality. This bean was produced by crossing Bountiful and Streamliner. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lb., 85c; 3 lbs., $1.15.

BEAN Tendergreen. Pkt., 15c.

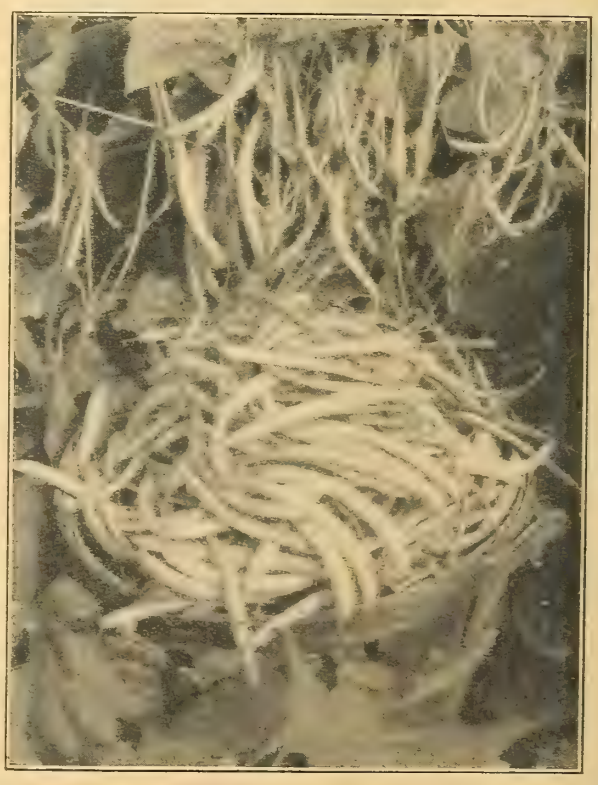
Stringless Green Pod (Landreth's). 50 days. Medium size bush, productive, bearing long, round pods of good color. Pods 5½ in. long, 7/16 in. diameter. Stringless, fleshy, nearly straight. Good quality. Seed: coffee brown. Does best in heavy clay soil. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00

Florida Belle. 60 days. All America Bronze medal, 1945. Bred especially for resistance to disease in high temperatures and humidity. Produces flat pods longer than Bountiful entirely stringless and free from fiber. It matures crop evenly over short period. Good for home gardens in the south, or for midsummer sowing in north. Pkt., 25c; ½ lb., 45c; lb., 75c; 2 lbs., $1.40.

NAVY BEANS

Great Northern. 90 days. Hardier and heavier vine than the Navy, having a longer pod and larger beans. Seed a little longer than round, and clear white in color. Pkt., 10c; lb., 30c; 2 lbs., 50c; 3 lbs., 65c.

Michilite. 90 days. This has the resistance of Robust and yields a larger crop than Improved Navy. It should be preferred to either of the others. Pkt., 10c; lb., 30c; 2 lbs., 50c; 3 lbs., 65c.



BEAN Plentiful. Pkt., 10c.

Wax Pod Bush Beans

Golden Bountiful Wax. 53 days. Plant large, sturdy, very productive. Pods 6-6½ in. long, ⅜ in. wide. Flat, thick stringless, small amount of fiber, good texture, quality and color. Seeds purplish black, kidney shaped and trifle flattened. Does best in sand loam. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., $1.10.

★Gold Standard Wax (Davis Stringless). 52 days. Plant medium large and fairly productive. Pods 6 in. long, ½ in. wide; thick, flat, stringless, straight, some fiber. Well drained soil of any kind is suitable. Good color, and quite hardy. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., $1.10.

New Kidney Wax. 52 days. Medium large bush and productive. Pods clear yellow waxy color. Pods 6 in. long, ½ in. broad; flat, stringless, fleshy, free of fiber. An excellent table variety or canner. Does best in medium heavy soil. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., $1.10.

Pencil Pod Wax. 52 days. Plant large, strong and bears an abundance of pods over a long period making it excellent for home garden use. Pods 6 in. long, 7/16 in. broad. Nearly-round, stringless, nearly straight, fleshy, free from fiber and excellent quality. Seed oblong, slightly flattened Does best in black loam soil. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., $1.10.

★Round Pod Kidney Wax. 55 days. (Brittle Wax.) Very desirable for both home garden and canning trade. Plant medium large, erect, vigorous and productive. Pods waxy light yellow, 5½ in. long, ⅜ in thick. Round, fleshy, brittle, stringless and without fiber. Seed white; blackish eye, kidney shape. Does best in medium heavy soil. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., $1.10.

Top Notch Golden Wax. 52 days. A superior type to the old Improved Golden Wax. Very productive and compact plant. Creamy yellow pods that are straight, oval, stringless and brittle. 5 in. long, ½ in. wide. Seed solid white with brown eye. Decidedly the most prolific of the Golden Wax types. Does best in sand loam. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., $1.10.

Unrivalled Wax. 52 days. Medium size bush of upright growth bearing profusely of rich waxy, yellow pods, 5 in. long, ⅜ in. wide; flat and fleshy, brittle, stringless in early stage. Seed small; long, round, yellowish brown. Does best in medium light soil. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., $1.10.

GOLD STANDARD WAX BEAN. Pkt., 10c.

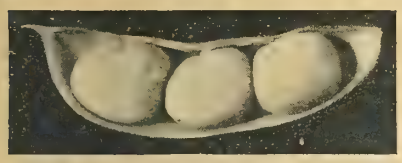
Inoculate Bean Seed.

To stimulate growth, use culture of nitrogen secreting bacteria. Garden size, sufficient for 5 lbs. of seed of peas, beans, lima beans and sweet peas, 10c.

For Soy Beans, special culture, sufficient for 120 pounds, 30c; for 5 bushels, 55c; for 25 bushels, $2.50.

LIMAS

One week after frost proof date sow seeds 2 inches deep, and thin plants of small seeded bush and all pole varieties to stand 6 inches apart, all large seeded bush to stand 1 foot apart. Plants kept picked clean will bear until frost.



BABY FORDHOOK. Pkt., 10c.

BUSH

★Fordhook Bush. 78 days. The highest quality Bush variety, it grows erect, and its large pods contain 4 to 5 large, thick green Beans. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., $1.10.

★USDA 2 Henderson. About 60 days. A prolific yielder of small Beans, thriving in ordinary soil. Earlier than standard Henderson and recommended to replace it., Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00.

Baby Fordhook. 72 days. It resembles Fordhook Bush, but with darker foliage, more productive and averaging more Beans to the pod. Good flavor and excellent for canning or freezing. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., $1.10.

Burpee's Improved Bush. About 76 days. This has larger pods and Beans than the original. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., $1.10.

Cangreen. A new green seeded small bush lima of Henderson type. A stronger grower, more prolific, with slightly larger seeds. Pkt., 25c; ½ lb., 35c; lb., 65c; 2 lbs., $1.20.

Fordhook 242. See Novelties. Pkt., 25c.

LIMAS should be planted with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space but the Pole Limas yield better.

POLE

Packet plants 15 hills; lb., 100 hills.

★King of the Garden. 85 days. A large podded, vigorous, immensely productive variety. The numerous pods, 5 to 7 inches long, are well filled with 5 to 6 large Beans of excellent quality. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., $1.10.

★Succulence. 75 days. Earliest of pole limas. Bears beans slightly larger than Henderson's Bush. It is an exceptional producer and can be grown on a pole or allowed to run on the ground. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00.

Early Leviathan. In about 83 days. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., $1.10.

Carolina Sieva. 77 days. Hardy, tall pole type, resembling Henderson Bush in other respects. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs, $1.00.

Florida Butter. 78 days. Similar to Carolina Sieva except seed instead of white is buff spotted brown. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs. 75c: 3 lbs., $1.00.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to and including 2 pounds. For postage charges on larger lots, see Page 120.

POLE BEAN POTOMAC. Pkt., 15c.

Pole Beans

POLE varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning to the four strongest. **A packet plants 15 hills; 1 lb., 100 hills.**

Potomac. 65 days. This one retains the strong, heavy-yielding growth of Kentucky Wonder while producing stringless, almost round pods, straight and slender, nearly seven inches long. Pkt., 15c; ½ lb., 45c; lb., 85c.

***Kentucky Wonder or Old Homestead.** Ready in about 65 days. Green pod. The most widely planted pole variety. The pods are fleshy, 7 to 10 inches long and stringless when young. Kept picked, they bear all season. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00.

***Kentucky Wonder Wax.** In 65 days. The best pole wax bean for northern planting. Pods are golden fleshy, delicious. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., $1.10.

Early Golden Cluster Wax. About 65 days. Long, stringless; pods in clusters; pure white seeds. Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 3 lbs., $1.25.

Burger's Stringless Green Pod. About 63 days. (White seeded Kentucky Wonder.) Bears until frost. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00.

White Creaseback. In 65 days. Early long, round, green, stringless, tender. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00.

Cut Short or Corn Hill. About 65 days. Much used in the south for planting among the corn. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00.

Lazy Wife. In 72 days. Good shell beans; long, stringless pods. Pk., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00

Horticultural Cranberry. In about 70 days. For cool climate; early; flat green pods, spotted seeds. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00.

Scarlet Runner. In 65 days. Ornamental flowers. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00.

Yard Long. 65 days. It produces a long, round edible pod. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 3 lbs., $1.25.

SHELL BEANS

Dwarf Horticultural (Speckled Cranberry) (Dwarf Cherry). Plant medium size, fairly productive 60 days for green shell and 90 days for ripe shell. Pods dark green becoming yellow splashed with carmine. Pods 5 in long, ⅝ in. wide. Nearly round at green stage stringless but having fiber. Seeds full oval, pinkish buff splashed and streaked with purplish red Pkts., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

English Broad Windsor. 80 to 90 days. Stalk tall slender, erect, pods green hairy, 5 to 6 in. long containing 4 to 6 beans. Green shell beans large flat, light green. Dry seed large circular, flat, reddish brown with black eye. Should be planted early in the north. Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 95c.

Red Kidney. 95 days. Plant is large, vigorous. Pods 5 in. long, ½ in. broad. Dark green, oval, flat, stringy, tough. Seed dark reddish brown. Lb., 35c; 2 lbs., 65c; 3 lbs., 95c.

White Kidney. 100 days. For dry shell use only. Plant is large, hardy, productive. Pods 5½ in. long, ½ in. wide. Seed long, white, kidney shape. Kidney types as well as field types do well on any medium heavy soil. Lb., 35c; 2 lbs., 65c; 3 lbs., 95c.

White Marrow. 100 days. Plant large with semi-runners, hardy. Pods 5 in long, ½ in. diameter. Seed white, oval, short. Lb., 35c; 2 lbs., 65c; 3 lbs, 95c.

BEETS

As soon as soil can be worked in the spring, sow one seed to the inch, i drill half-inch deep. Firm soil well over seed and water well if re quired. Thin when roots begin to make globes, to stand 4 inche apart in row. Cook discards with their tops.

Eat Roots and Tops Young

Perfected Detroit Beet at best size for table or canning. Pkt., 15c.

QUALITY in Beets is measured by an even, globular shape, uniformity in size, bright, even color, flavor, fine texture and tenderness. Here, as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, stored over the winter and transplanted again in the spring. Only Beets which conform to the highest quality standards are planted for seed. Thus improvement is shown annually.

All beets keep well in winter when properly stored. A special sowing should be made in midsummer to produce the storage crop.

Quantity needed to sow: 15 ft. row, 1 pkt.; 60 ft. row, 1 oz.; acre, 7 lbs. (Rows 18 in. apart).

★Perfected Detroit. Matures in about 55 days. In this improved strain of Detroit Dark Red Turnip Beet the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is earlier, and almost spherical in shape. Its small tops are just right for either dry or wet season, heavy or light soil. The color inside and out is a very dark red, and flesh of fine texture, tender and of excellent flavor. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

★Detroit Dark Red Turnip. Matures in about 55 days. A main crop variety unequaled as a heavy yielder, and having the qualities which are valued for shipping and canning, as well as for the home and market gardens. Tops are uniform, small and erect. Roots are globe shaped, and very dark red, inside and out, with inconspicuous zoning. It is sweet, and remains tender until maturity. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

★Crosby's Egyptian. Matures in about 50 days. This early variety has long been a home garden favorite; and our strain has maintained and improved its excellent qualities. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size, and the roots of a flattened globe shape, excelling in table quality.

Vaughan's Selected Stock. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

Standard Stock. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Tendersweet. 50 days. Deep red throughout, with almost no zoning, globe shape with tender flesh. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., $1.00.

Early Wonder. Matures in about 50 days. This is a selection of Crosby's Egyptian more nearly globe shaped, and a darker red. The tops are small, making it a fine variety for bunching. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Good for All. Matures in about 50 days, This is a selection of Detroit, bred to produce uniform roots which can be harvested when 1¼-1½ inches in diameter, especially for canning and pickling. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., $1.00.

Green Top Bunching. 55 days. An attractive early bunching beet, tops of medium size, erect, of a greyish green color that does not turn red in the fall. Roots are round, smooth, glossy and slightly flattened when mature. Interior of root is blood red and has less fiber than most bunching beets. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Edmand's Blood Turnip. 60 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00.

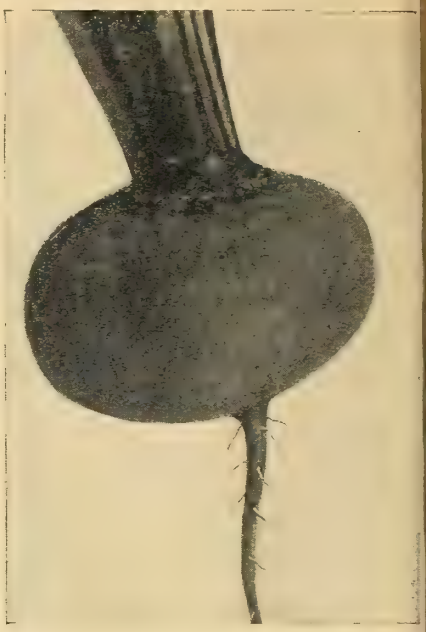
Winter Keeper or Long Dark Blood. 75 days. Roots long, smooth, dark red, tapering to a point, 7 in. long, remaining tender even in storage. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 90c.

Early Blood Turnip. In 55 days. Pkt., 15c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Improved Early Egyptian. About 45 days. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

SUGAR BEETS

Klein-Wanzleben. Wedge shape tapering to long tail. Pkt., 10c; oz., 25c; ¼ lb., 65c.



Crosby's Egyptian Beet, Selected Stock. Pkt., 15

Mangel Wurzel

Mature in 90 to 120 days.

Mangels are an excellent crop for dairy and poult farms, giving a crop of good feeding value for bo cattle and chickens. Sow in May or June, 6 lbs. the acre, in rows 2 feet apart, and thin to nine inche

Barres Sludstrup. This Mangel holds the worlc record for dry matter content. It is a long, reddi yellow, ovoid root. Pkt., 10c; oz., 25c; ¼ lb., 65

Vaughan's Mammoth Long Red. Largest ar heaviest cropper of long red sorts. Pkt., 10c; o 25c; ¼ lb., 65c.

Brussels Sprouts

Brussels Sprouts are miniature cabbages formed a plant stalk. The delicate flavor is improved by touch of frost. For late use sow seed in June.

Long Island Improved. About 90 days. The mo satisfactory Brussels Sprouts for American conc tions. Pkt., 15c; ½ oz., 40c; oz., 75c.

BRUSSELS SPROUTS

BROCCOLI

Sow outdoors with earliest crops; transplant or thin to stand 18 inches to 2 feet apart. Protect from aphids and cabbage worms. After center heads are cut, each branch will produce a head, harvest lasting until killing frosts.

BROCCOLI ITALIAN GREEN SPROUTING. Pkt., 25c.

GREEN sprouting broccoli has been given new importance by the disclosure that because of its green coloring it is far richer in vitamins than white cauliflower, which it resembles in flavor. It is also a much easier subject for the amateur than cauliflower, and has a much longer season of harvest. It survives light frosts, and produces well in the cool autumn weather.

★Italian Green Sprouting (Calabrese). **Matures in about 70 days.** A selected strain of the most popular type from an Italian specialist who has bred it to a high standard of yield, flavor and tenderness. After its large center heads are harvested, smaller heads 2 inches in diameter form at the ends of lateral branches. It continues to bear for eight to ten weeks. Pkt., 25c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

Pedigreed Cauliflower

OUR cauliflower seed is grown from stock seed imported from Denmark, where our finest strains of cauliflower were grown. Tests have shown the excellent quality to be maintained in crops grown from the American seed.

Home gardeners will find cauliflower not difficult where conditions are right. When plants are set out in June or early July to mature in October, there is seldom any question of getting fine, large heads.

Quantity needed for 150 plants, 1 pkt.; for 1,500 to 2,000 plants, 1 oz.

★Vaughan's Select Snowball. **Matures in about 55 days.** Improved strain of our New Snowball, early, dwarf, compact, producing solid white heads which measure 9 to 10 inches across and have a perfectly white core. Its heads are more uniform in size and there are more leaves, for protection in bleaching. The seeds are about one-third smaller. Pkt., 35c; ¼ oz., $1.25; ½ oz., $2.25.

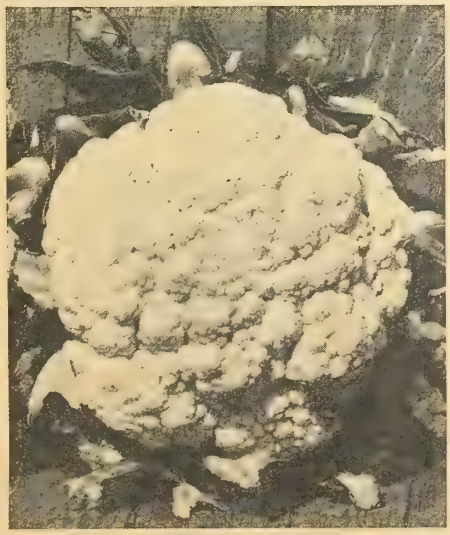
★Vaughan's New Snowball. **Matures in about 55 days.** A well grown head measures 9 to 10 inches across, with depth in proportion, and a perfectly white core. It is dwarf and compact in growth, and as early as any other. Pkt., 35c; ¼ oz., 95c; ½ oz., $1.80.

Vaughan's Earliest Dwarf Erfurt. New Like Snowball, but a few days later. Pkt., 35c; ¼ oz., 85c; ½ oz., $1.65.

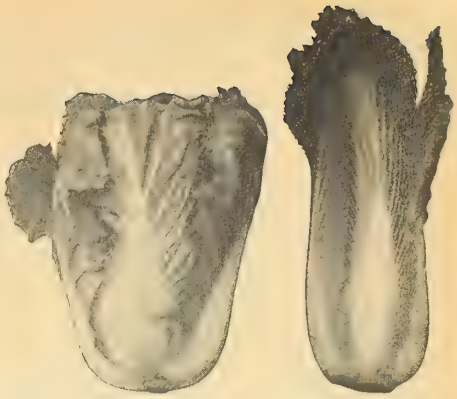
Danish Snowball or Dry Weather. Heads larger, snow-white, second early. Pkt., 35c; ¼ oz., 85c; ½ oz., $1.65.

Autumn Giant. Large heading late fall sort. Pkt., 25c; ¼ oz., 65c; ½ oz., $1.10; oz., $2.00.

★—Varities designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.



VAUGHAN'S SELECT SNOWBALL. Pkt., 35c.

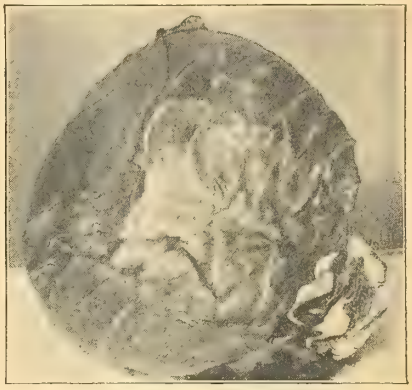


PAOTING. Pkt., 10c. PE TSAI. Pkt., 15c.
Quantity needed for 30 ft., 1 pkt.; 200 ft., 1 oz.

Chinese or Celery Cabbage

★Celery Cabbage Pe Tsai. **90 days.** From seed sown in late June or early July it produces slender, tight heads 6 x 18 inches, bleached in center with tips of leaves green. Makes delicious salad raw and has delicate cabbage flavor cooked, without odor. Pkt., 15c; ½ oz., 25c; oz., 50c; ¼ lb., $1.25

Celery Cabbage Paoting. Genuine "WONG BOK" type. Will mature firm heads through the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. It is the largest of the Chinese cabbages. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00.



MAMMOTH ROCK RED CABBAGE. Pkt., 10c.

Red Cabbage

Valued for Distinctive Flavor

Haco. **75 days.** An early, round head, very hard, 6 inches through, weighing 4 lbs. One of the earliest reds of quality. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

Mammoth Rock Red. **(Long Island strain). In 95 days.** The hardiest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

Red Yellows Resistant. **About 100 days.** Not as large as Mammoth Rock Red, but darker and more uniform color. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

Collards

This is a relative of the cabbage which produces green leaves of cabbage flavor, and having a much higher vitamin content. It produces edible leaves in 45 days from sowing, and succession sowings should be made. Though used chiefly in the south, where it is too hot for cabbage, it maybe grown in any part of the U. S. A. and is recommended for home gardens as a protective food.

Cabbaging. **75 days.** A desirable type producing compact plants 1½ to 2 ft. high. Large loose clusters of leaves which often show a tendency to form a head. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Georgia. **75 days.** Plant 2-3 feet tall, erect, spreading, bearing numerous large leaves which are harvested while young and tender. At its best after frost. Pkt., 10c; oz., 20c; ¼ lb., 50c.

CABBAGE

After frost proof date, set out plants for early crop. Late varieties may be sown outdoors in June. Space small early types 12 inches apart, medium 18 inches, large late 2 feet. Water well and protect from worms and aphids.

COPENHAGEN MARKET CABBAGE (RESELECTED)
Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

Sow Resistant Strains To Thrive in Hot Summers

WHEREVER the temperature of the soil rises to 85 degrees and remains for several days, there is danger of the yellows disease and when it strikes, a crop failure may result.

In the great cabbage growing district centering around Racine and Kenosha, Wisconsin, an industry has been saved by developing strains of cabbage resistant to yellows. We offer seed of these strains, which have been developed by years of scientific work, and actual growing tests. The uniformity and yield of resistant strains have greatly improved. We recommend their use wherever danger of yellows may exist. If the disease strikes, resistant strains will show slight loss where non-resistant types would probably be destroyed.

In 1944 we had these types planted in a field of resistant cabbage where disease was very bad. In no case did these strains show to exceed 2% of yellows.

Regular Stock of Yellows Disease-Resistant Varieties

Jersey Queen. **60 days.** As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. This is the first of our resistant strains to mature and is recommended to the home gardener where a cabbage for summer salad use is desired. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

Wisconsin Ballhead. **100 days.** Most highly perfected strain of yellows-resistant cabbage yet introduced. It excels in all the qualities that mark a good cabbage, besides being 100 percent resistant. A better keeper, of finer texture and matures earlier than Wisconsin No. 8. We sincerely recommend this for home garden and market growers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

★Globe. **75 days.** The resistant Glory of Enkhousen is but 3 or 4 days later than Copenhagen, of excellent flavor. You who think that there is no difference in the flavor of cabbage should compare a mature Globe with any other cabbage. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

★Bugner. **100 days.** A winter variety grown in infected soil near Chicago, which is the most popular variety with market growers. Our own strain has been selected for resistant qualities over many years. Pkt., 20c; ½ oz., 75c; oz., $1.50; ¼ lb., $5.00.

Wisconsin All Head Early. **In about 80 days.** Is the second resistant variety to mature. Will stand for a long time without bursting and is nearly 100% resistant. Large heading general purpose cabbage. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., $1.75.

Marion Market. **In 75 days.** The third yellows-resistant cabbage to mature. Of an excellent Copenhagen Market type, though later than select Copenhagen, coming a short time before Glory of Enkhousen. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

Wisconsin All Seasons. **About 90 days.** Either a kraut or home variety, but is used more for kraut than any other purposes. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., $1.75.

Wisconsin No. 8. **110 days.** A late winter keeper. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

★—Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

Vegetable Garden Book, Prepaid, 30c.
We recommend the "Pocket Book of Vegetable Gardening," by Charles H. Nissley, a book of 245 pages giving all necessary information on vegetable gardening. By mail, 30c, over the counter, 25c.

JERSEY QUEEN CABBAGE, Yellows Resistant.
Pkt., 15c.

Standard Cabbages

★Copenhagen Market Extra Early. **Matures in about 62 days.** Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. It is the result of many years' selection by our European grower, and produces heads round as a ball, crisp, tender and of fine texture.

Reselected, 62 days. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

Standard Stock, 68 days. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

SAVOY CABBAGE
RICHER IN NUTRITION

This type of cabbage has leaves which are crumpled or savoyed instead of smooth, as in other types, and do not bleach white, but remain green and retain more vitamin A. The heads are not as tight as the smooth leaved type, but are of superior flavor, and are esteemed for table quality.

Chieftain. **(Long Island strain). 88 days.** Earlier than standard market varieties. Plants are of medium size, short stemmed and compact. Leaves broad, rounded, closely and uniformly savoyed, dark olive green. Heads medium large, drumhead type, thick, flat, rounded on top, flat at base, firm and well folded, with cap leaves well overlapped; stands a long time without bursting. Pkt., 20c; ½ oz., 45c; oz., 80c; ¼ lb., $2.40.

STANDARD CABBAGES—Continued

★Golden Acre. **Matures in about 60 days.** Resembles Reselected Early Copenhagen Market in most respects, except that its heads are slightly smaller, 4 to 5 lbs. It is of dwarf, compact growth, with few leaves, so that the plants can be set close together, and is exceptionally uniform in size and maturity date. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

★Green Acre. **60 days.** A round headed variety which instead of bleaching in the hot sun holds its rich green color to the bursting stage. Smooth, solid, of fine texture and flavor; heads weigh 3 to 4 pounds. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

Glory of Enkhousen. **Matures in about 75 days.** This globe shaped, medium early variety is of excellent flavor and crispness and produces heads weighing 8 to 10 pounds, and more uniform than the earlier types. Recommended for the main crop in the home garden. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

Vaughan's Select Early Jersey Wakefield. **In about 62 days.** This extra early conical shaped head cabbage is a specialty with us. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

Early Flat Dutch. **In 90 days.** Sure solid header weighs 10 to 12 pounds. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

Charleston Wakefield. **About 73 days.** Later than "Jersey Wakefield," with heads much larger and uniform. Does well on heavy soil. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

Vaughan's All Seasons. **About 90 days.** Suited to every growing season. Even when planted late it keeps well, and is of better quality than big ribbed winter sorts. Pkt., 10c oz., 40c; ¼ lb., $1.25.

All Head Early or Faultless. **In about 78 days.** Matures large, uniform handsome heads of unsurpassed quality. Pkt., 10c; oz., 40c; ¼ lb., $1.25.

LATE STANDARD VARIETIES

Danish Ballhead Short Stem. Or Dwarf Amager. **About 105 days.** Ball shaped splended keeper. Very fine 8-lb. heads. Pkt. 10c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

Penn State Ballhead. **About 105 days.** A heavy yielding strain of the short stem Danish Ballhead type. Yields as high as 26 tons per acre have been recorded. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

Vaughan's Premium Late Flat Dutch. **In about 110 days.** Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt. 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

Oregon Ballhead. **105 days.** An acknowledged leader for a main crop winter cabbage, exceptionally solid, resistant to aphis or freezing. The outer leaves are deep green and will hold their color weeks after cutting. Equal in keeping quality to Bugner. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

CARROTS

Sow as soon as soil can be prepared, in shallow drills, 5 seeds to the inch. Thin out when of finger size, and serve discards. Carrots will mature well growing close enough to touch, and remain delicious all season; but many prefer them young, and make several sowings.

Sow Slender, Tender Kinds

CARROTS have been improved in quality at the same time their value as a health food has been gaining wider recognition. In addition to color, size, shape, tops and season of maturity, our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum of "core." Scientists say the brighter the color, the more Vitamin A in carrots.

★Touchon. **70 days.** From the time it is finger size and thinned out of the row in early spring, until it reaches full growth in the autumn, this variety excels in flavor, tenderness, even in yield, for home gardens. Its slender shape permits growing closer than thicker types, and decreases the core which all carrots have even though you may not see it. Its flesh is fine grained, sweet and has bright orange coloring. Pkt., 20c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

★Red Heart. **70 days.** It has no core of the usual sort, but its rich red coloring is even throughout the flesh. The top is ample for bunching and the foliage is fern-like. The root is of medium length, blunt, smooth and easily prepared for serving. Pkt., 20c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

★Nantes Half-Long Scarlet. **Matures in about 70 days.** This early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

★Table Queen. **Matures in about 70 days.** Half-long type, rich red, tender, crisp and one of the sweetest we know. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., $2.50.

Vaughan's Select Danvers (Red Core). **About 75 days.** It is a half-long type, averaging five and one-half inches in length, tapering to a blunt point. Its yield greater per acre than any other. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25.

Improved Chantenay. **75 days.** This is a strain of Early Chantenay which resembles the original type in most respects except that it averages 1½ to 2 inches longer and has sloping shoulders. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25.

Dutch Horn. **In about 65 days.** Larger than French Horn and almost as early, 1½ inches thick, three inches long; fine grain, sweet-flavored, rich orange. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

Guerande or Oxheart. **In 70 days.** Is a variety of very rapid growth, often attaining a weight of ½ pound. It is thick shouldered, short and top shape; has a good flavor and is tender. A second early. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25.

Imperator. **About 77 days.** Has roots 7 to 8 inches long, slightly tapering, and just enough top to bunch well. Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25.

CARROTS FOR STOCK

Improved Long Orange. **About 88 days.** It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. Makes a large tonnage of feed and may be used for cattle or poultry. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25.

Celeriac

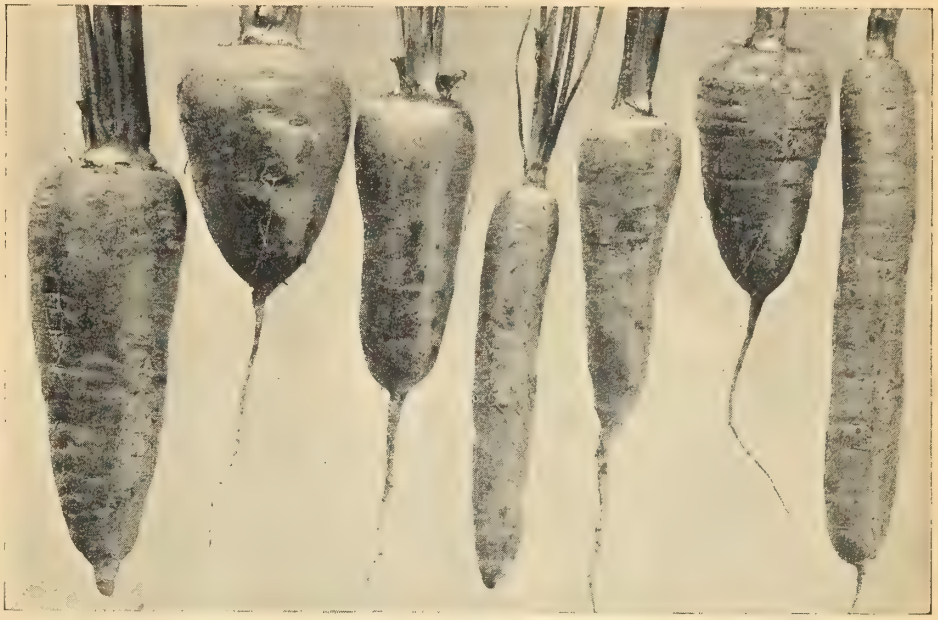
TURNIP ROOTED CELERY

This vegetable deserves much wider cultivation. Cooked and prepared as a salad, it has a rich celery flavor. The roots keep well in winter—recipes for preparing enclosed upon request.

Large Smooth Prague. **About 120 days. A main crop variety.** Pkt., 10c; ½ oz., 40c; 1 oz., 75c; ¼ lb., $2.25.

Cardoon

Main stalks are blanched like Celery; used for salad or in soups. Pkt., 20c; ½ oz., 50c; oz., 95c.



DANVERS OXHEART RED HEART NANTES HALF LONG IMPROVED CHANTENAY DUTCH HORN TOUCHON

Green Celery Best for *Vitamins*

CELERY Utah Special. Pkt., 25c.

CELERY is often thought to be difficult to grow. Every home gardener whose soil is sufficiently light and rich to produce good Cabbages may easily produce a family supply of this most welcome delicacy. Start the seed indoors and set the plants out around the middle of June. Eight inches apart for the early kinds and a foot for the winter varieties. Do not work over the plants when they are wet with dew or rain.

Vaughan's Celery Seed is of the finest strains in the world and is used by market gardeners selling to the most exacting trade.

Quantity needed for 400 to 500 plants, 1 pkt.; 8,000 plants, 1 oz.

★Salt Lake. Selection from Utah Golden. Large round stalk. Free from string, finest quality, blanches easily. An excellent winter seller. Pkt., 25c; ½ oz., 40c; oz., 85c.

Utah Special. A midseason green celery, blanching to a clear white in the fall. Large heavy branches, nearly round, 9 to 10" long. Entirely stringless and one of the most tender of celeries; sometimes called Crystal White Jumbo. Pkt., 25c; ½ oz., 75c; oz., $1.35; ¼ lb., $4.00.

★Golden Detroit. The plants are heavy, compact and full hearted. This is a pure line selection of the Dwarf Golden Self-Blanching type which accentuates the good points of that variety. Pkt., 25c; ½ oz., 45c; oz., 85c.

★Michigan Golden (College Golden). Developed at Michigan State Agricultural College, resistant to "Fusarium Yellows," bred from the tall strain of Golden Self-Blanching. Pkt., 40c; ½ oz., $1.00; oz., $1.75.

Cornell 19. **140 days.** New York College of Agriculture developed this cross between Utah and Golden Self-Blanching, which combines qualities of the Pascal type with the early, easy blanching character and color of the Golden Self-Blanching strains. Averages 18 to 20 inches, hearts long and full, stems thick, rounded and smooth. Pkt., 20c; ½ oz., 75c; oz., $1.50.

Golden Plume. A selection from or a cross with the Golden Self-Blanching, it is more vigorous and withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. Select. Pkt., 20c; ½ oz., 45c; oz., 85c.

Golden Self-Blanching. Dwarf bunches with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have introduced a re-selected strain earlier and stronger growing than the older type.

Tall Strain. French type. Pkt., 25c; ½ oz., 60c; oz., $1.00.

Dwarf Strain. American-grown. Pkt., 10c; ½ oz., 40c; oz., 75c.

Giant Pascal. The stalks are large, light green solid, crisp and of rich nutty flavor. For fall and winter, this is a splendid sort. Pkt., 10c; ½ oz., 40c; oz., 75c.

Emperor. It is dwarf in type (hence easier to blanch than taller kinds), second early and a good winter keeper. The stems are round. Pkt., 10c; ½ oz., 40c; oz., 75c.

White Plume. It excels in crisp and tender table quality. Its habit of growing is vigorous, stalks are uniformly white and large sized.

Selected Stock. Pkt., 10c; ½ oz., 40c; oz., 75c.

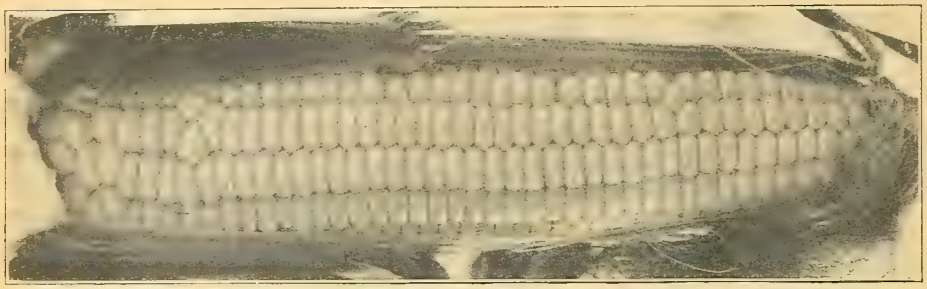
Winter Queen. An excellent winter sort with double the amount of heart of any known celery. Pkt., 10c; ½ oz., 40c; oz., 75c.

Soup Celery or Smallage. Green foliage used for soups. Pkt., 10c; oz., 50c; ¼ lb., $1.50.

Easy Blanching. Medium dwarf, stalks thick, quality excellent. Pkt., 10c; ½ oz., 40c; oz., 75c.

SWEET CORN

Sow two weeks before frost proof date, seeds 2 inches deep, three inches apart; to be thinned out to six inches; or six seeds to a hill, 2 to 3 feet apart according to variety's height, thinning to three plants per hill. Time succession sowings, two weeks apart.



MARCROSS SWEET CORN. Pkt., 15c.

HYBRID SWEET CORN TEAM
All Season Hybrid Collection

Four of our best hybrids maturing over a period of 3 to 4 weeks. If planted in separate rows all at one time will give you mature corn for the table sufficient for a family of four. 2 oz. of each variety, in separate packets making ½ lb. total for 45c. See Novelty Pages.

Pop Corn

Australian Hulless. 105 days. Stalks 5 to 5½ ft. tall, bearing ears 4 in. long by 1½ in. Kernels very white, popping to large size, clear white and free from hard center. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., $1.25.

Golden Hulless (Baby Golden). 105 days. Golden yellow popping to rich creamy white. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., $1.25.

South American. 110 days. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., $1.25.

Hybrids for Heavy Yield

HYBRID sweet corn excels in three ways: Heavier yield, more even maturity, and resistance to Stewart's disease, and other troubles. In flavor, which many home gardeners consider the supreme point, the variety Our Choice is equal to Golden Bantam, some think better. Other hybrids will compare well in flavor with other open pollinated.

Any open pollinated corn will mature unevenly and give edible ears from one planting over a longer period, which some may prefer. Our list has been revised to offer the best of both hybrid and open pollinated types, as proved by exhaustive tests in our trials.

A packet plants 40 hills; a pound, 400 hills; 12 pounds, an acre.

HYBRID RESISTANT

★Lee. Pkt., 15c; ½ lb.; 35c; lb., 65c; 2 lbs., $1.20. See Novelty Page 4 for description.

Golden Pride. 68 days. From Connecticut Experiment Station. Compared with Our Choice, it is longer by one inch, supplies more cut corn, is fully as fine a kernel and has as good or better quality. We recommend it. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., $1.20.

★Our Choice. 68 days. Maturing two days later than Golden Treasure, this is the sweetest variety we know, not excluding Golden Bantam. It is heavy yielding, with a good size 12 row ear, and completely resistant. For the home garden this would be our choice for an early. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., $1.20.

★Surprise. 64 days. 10 to 12 rows, golden yellow, ears 5½ to 6 inches. Stalks 57 to 60 inches tall and bear the ears 12 inches from the ground. We can recommend this for your first early corn of good flavor. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., $1.20

★Marcross. 75 days. This is Golden 60-day crossed with Purdue Bantam and has given us a cross that is practically the same as Golden 60-Day. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., $1.20.

Golden Nugget. 68 days. An excellent early, 66 inches tall, well filled ear 7¼ inches long, 8 to 12 rows of kernels. The size of the ear recommends it more than the flavor, which is medium. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., $1.20.

Bancross (Vaughan's Top Cross Golden Bantam). 76 days. This variety is produced by crossing our Early Golden Bantam with Purdue Bantam. It is earlier than its male parent and not as uniformly eight rowed as its female parent, though it may vary. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., $1.10.

Whipcross. 75 days. Ten days later than Whipple's Yellow. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., $1.20.

Narrow Grain Hybrid. 98 days. Same season as Narrow Grain Evergreen. Much more prolific in poor years. Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.35.

Country Gentleman Hybrid. In about 99 days. Same season as Country Gentleman but better yielder. Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.35.

Stowell's Hybrid. Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.35.

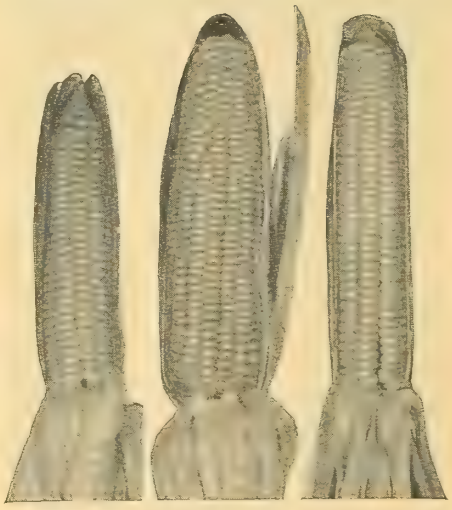
★Ioana. 83 days. Productive variety, highly resistant to drought and wilt. Plants tall and sturdy, with broad and numerous leaves. Ears 7½ to 8 in. long, 12-14 rowed, cylindrical; well filled with medium-narrow, light, yellow kernels. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., $1.20.

★Vaughan's Golden Cross Bantam. In about 79 days. Obtained by crossing the two strains produced by G. M. Smith of Purdue. It has the same resistance and will produce a heavier crop of more uniform ears. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., $1.20.

Sweet Corn All Summer, 25¢

OPEN POLLINATED VARITIES

Collection No. 22. One Packet each, Earliest Golden Sweet, Early Golden Bantam, and Bantam Evergreen, prepaid for 25c. ½ lb. each, 50c; 1 lb. each, 85c.



GOLDEN SWEET — BANTAM EVERGREEN — EARLY GOLDEN BANTAM

OPEN POLLINATED WHITE

Howling Mob. 83 days. A large-eared fine second early. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Early Evergreen. About 75 days. It is earlier than Stowell's Evergreen bred for northern localities. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Country Gentleman. About 95 days. The grain is small and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Stowell's Evergreen. About 95 days. The standard main crop variety. The stalks grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Narrow Grain Evergreen. 95 days. Similar to Stowell's Evergreen, but with narrow and smaller kernels. Used mostly by canners. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

OPEN POLLINATED YELLOW

Golden Bantam. Matures in about 80 days. The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour, has never been excelled. To maintain this supreme quality, however, requires constant vigilance, and there is great variation in the seed sold under this name. Our strain is grown on our Michigan farm, where it is selected for size, uniformity and flavor, and runs much larger than the usual type, and has better flavor. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Extra Early Golden Bantam. Matures in about 72 days. Prices are same as Golden Bantam.

Earliest Golden Sweet. Matures in about 53 days. To produce an earlier variety with the quality of Golden Bantam we have worked many years, and this is the best of many tested. It gives you Bantam quality twelve days earlier. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★Vaughan's Bantam Evergreen. 85 days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Whipple's Early Yellow. About 87 days. A 14 rowed ear, 7 to 8 inches in length. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Golden 60-Day. 68 days. It is bred from 60-Day White crossed with Golden Bantam. Except for color, same as 60-Day. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Vaughan's Black Sugar or Black Mexican. About 85 days. Selected for large ears and high sugar qualities. Ears 10 rowed, 8 inches long. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to and including 2 pounds. For postage charges on larger lots, see Page 104.

CUCUMBERS

Sow in hills three to six feet apart; six seeds 1½ inches deep to a hill, thinned to three plants. Protect small plants from beetles. Water when needed, and keep vines picked clean.

For Salads and Pickles

TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. **Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.**

Home gardeners will have no trouble in producing from our strains fruits that excel in table quality. We recommend especially Mandarin, our new Chinese, earliest as well as of the highest quality, and the Vaughan, largest of outdoor varieties.

Cubit. **60 days.** Dark green, cylindrical fruits with rounded ends, giving heavy early yield. Fruits are 6 to 8 inches and quality good. Pkt., 25c; oz., 45c; ¼ lb., $1.35; lb., $4.00.

★The Vaughan. **Matures in about 74 days.** The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long White Spine varieties, it is much darker in color, more uniform in shape and size, thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.00.

★Colorado, or "A and C." **68 days.** A beautifully long, slender, dark green cucumber of excellent shape and intense dark color which is maintained longer than in any other variety. Fruit is inclined to taper, especially at stem end. Seeds form late in season and are few. Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.00.

Cucumber, Marketeer: **60 days.** An ideal slicer for market and shipping. A dark green cucumber of the white spine type. Smooth uniform. Pkt., 25c; ½ oz., 45c; oz., 80c; ¼ lb., $2.25.

★Straight Eight. **60 days.** A white spine which produces a high percentage of fruits perfectly straight, and 8 or more inches long. Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.00.

CUCUMBER MINCU. Pkt., 10c.

Mincu. **Matures in about 45 days.** Its fruits averaging 4½ inches long by 2 inches in diameter are suitable both for salad slicing and pickling. It bears from 8 to 10 fruits within a foot of the hill. Pkt., 10c; oz., 35c; ¼ lb.,; 95c; lb., $2.70.

Midget or Hill Cucumber. **70 days.** Produced by Dr. Yager of the North Dakota Agricultural College and is the true hill type. The cucumber is about 6 in. long and 2½ in. in diameter. Fit for any small home garden. Pkt., 15c; oz., 35c; ¼ lb., $1.00.

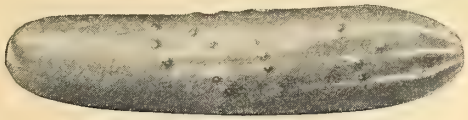
Improved Long Green. **In 68 days.** Used for yellow chunk pickles. The vines are vigorous and productive; the fruit (12 inches long) has a distinctive flavor. Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.00.

ODD CUCUMBER

Lemon Cucumber. **In 65 days.** Not the Garden Lemon, though similar in appearance. It is a real cucumber. Pkt., 10c; oz., 45c.

At top, CUCUMBER STRAIGHT EIGHT; In middle, COLORADO or "A and C;" Bottom, THE VAUGHAN. Each variety, Pkt., 10c; oz., 35c.

PICKLE CUCUMBERS, left to right: CLIMBING, EARLY CLUSTER, CHICAGO PICKLE, DOUBLE YIELD, NATIONAL, BOSTON.



CUCUMBER MANDARIN. Pkt., 10c.

★Mandarin. **45 days.** Earliest of any variety we have tried, this new variety, thanks to its Chinese blood, is also supreme in quality. It is 10 to 12 inches long, 1¼ to 1½ inches in diameter, with the crispness and flavor for which Chinese cucumbers are noted. Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.00.

Vaughan's Improved Arlington White Spine. **About 60 days.** A heavy yielder; symmetrical, straight, 7 to 10 inches long. A great favorite in the south. Pkt., 10c; oz., 35c; ¼ lb., 95c; lb., $2.70.

Davis Perfect. **65 days.** Fine length, slim, dark green and crisp. The best blight resister of long sorts. Pkt., 10c; oz., 35c; ¼ lb., 95c; lb., $2.70.

Deltus. **In 72 days.** A dark green cucumber nearly free from spine, may be used for forcing out of doors. Pkt., 10c; oz., 35c; ¼ lb., 95c; lb., $2.70.

Early Fortune. **In 64 days.** Medium length White Spine, much planted in the south. Pkt., 10c; oz., 35c; ¼ lb., 95c; lb., $2.70.

FIRST RESISTANT CUCUMBER

Shamrock Resistant. **65 days.** Resistant to Mosaic, early, uniform and satisfactory as a slicer or small pickler. A white spine variety 6 to 8 in. long. Pkt., 15c; oz., 35c; ¼ lb., $1.00; lb., $3.00.

PICKLE CUCUMBER

Grow Quick. **48 days.** A pickle type similar to Chicago Westerfield in size and shape, but a week or ten days earlier. It usually matures its crop before the early blight appears. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $2.50.

★Westerfield's Chicago Pickle. **58 days.** Since we first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $2.50.

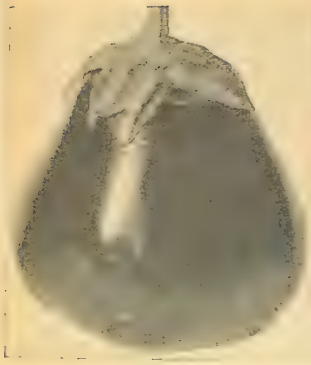
West India Gherkin. **About 60 days.** A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 15c; oz., 35c; ¼ lb., $1.00.

National. **About 56 days.** The type is shorter than the Chicago Pickle and the fruit being smaller, blight does not sap the strength of the vine to the detriment of a crop. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $2.50.

Green Prolific or Boston Pickling. **In about 58 days.** Smooth, symmetrical pickle, very early and productive. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $2.50.

Early Cluster. **55 days.** Similar to Boston Pickling, but fruits come more in clusters. Pkt., 10c; oz., 35c; ¼ lb., 95c; lb., $2.70.

Climbing. **About 68 days.** This is quite resistant to disease and insects. It is good quality and of a dark green color. May be grown on a trellis. Pkt., 10c; oz., 35c; ¼ lb., 95c; lb., $2.70.



IMPROVED NEW YORK PURPLE

BLACK BEAUTY

Egg Plant

EGG plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows three feet apart, the plants two feet apart. Our special strains excel in uniformity, flavor and yield.

Florida High Bush. 85 days. Plants are well branched holding their large deep purple oval fruits well off the ground. Hardy, and resistant to disease. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

Ft. Meyers. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

Black Beauty. 80 days. It is oval in shape, uniformly the darkest in color. Perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

Improved New York Purple. About 83 days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

Minnoval. 72 days. One of the earliest, it has firm, dark purple oval fruits, 6 x 7 inches, produced abundantly over a long season. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

GARDEN HUCKLEBERRY

This is a novelty, well described by the above name, which bears racemes or bunches of blackberries, ½ inch in diameter, which make excellent pies and preserves. To serve in pie or sauce, sweeten with syrup made of 1 part sugar to three parts water. As these berries lack acidity, add lemon juice or cook with sour apples, or rhubarb. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin. Pkt., 15c; ½ oz., 40c; oz., 75c.

Oyster Plant (Salsify)

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter.

Mammoth Sandwich Island. This variety is much more uniform in growth than the old standard "Long White" variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor. Pkt., 10c; ½ oz. 35c; oz., 65c.

Horseradish Sets

Horseradish. The roots produce good radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets, recovering the plant as fast as accomplished. Doz., 50c; 100, $2.50; 1,000, $20.00.

VIENNA KOHLRABI EARLY WHITE. Pkt., 15c.

Kohlrabi

Sow in April or May, in rows, thin to 8 inches. The globular fruits grow above ground, are stripped and cooked like turnips, but are much sweeter.

★Early White Vienna. 55 days. White and tender. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

Early Purple Vienna. About 55 days. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

Martynia

100 days

The tender young seed pods, gathered when half-grown, make excellent pickles. Pkt., 10c.

Tobacco Seeds

Big Havana. A hybrid Havana. Pkt., 10c; ½ oz., 35c; oz., 60c.

Connecticut Seed Leaf. Best adapted to climate of middle and northern states. Pkt., 10c; ½ oz., 35c; oz., 60c.

Burley. The popular Kentucky sort. Pkt., 10c; ½ oz., 35c; oz., 60c.

Rhubarb

★Flare. A variety of erect, compact habit, medium leaves 23 inches long, with stalks of attractive red extending from base almost to tip. Flesh is of fine texture, tender, juicy and crisp. Pkt., 15c; ½ oz., 30c; oz., 50c.

Vaughan's Mammoth. Vigorous and productive; stalks fifteen inches long. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

Victoria. A popular red strain. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

Rhubarb Roots. Set in spring they will furnish leaf stalks the following year. (If wanted by mail, add 10c for 1 or 3 roots, 13c for 10 roots for postage and packing).

Canada Red. Stems dark red clear to heart. Makes a sweet, fine flavored, beautiful red sauce. Divisions, $1.00; 3 for $2.75; 10 for $8.50.

McDonald Crimson, Divisions. Bright red stalks, low acidity, thin skin, fine grain and fruity flavor. Each, 75c; 3 for $2.00; 10 for $6.00.

Valentine. (New Red). Large stout leaf stalks that make a deep red sauce. Divisions, $2.00.

Victoria, 1 year, 35c; 3 for 75c; 10 for $1.50; 2 years, each, 60c; 3 for $1.25; 10 for $3.00; 3 years, 75c; 3 for $2.00; 10 for $5.00.

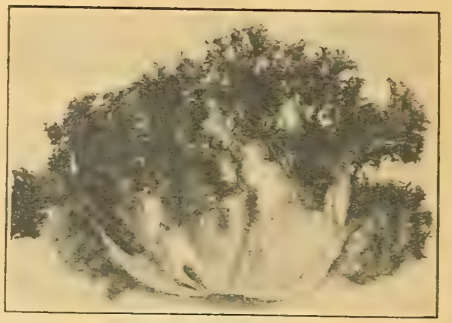
Rutabagas

Mature in 90 days

★Vaughan's Improved American Purple Top is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality. Pkt., 10c; oz., 20c; ¼ lb., 45c.

Canadian Gem. Round medium size, quick growing, purple top, yellow flesh. It resists mildew and is of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 45c.

ENDIVE



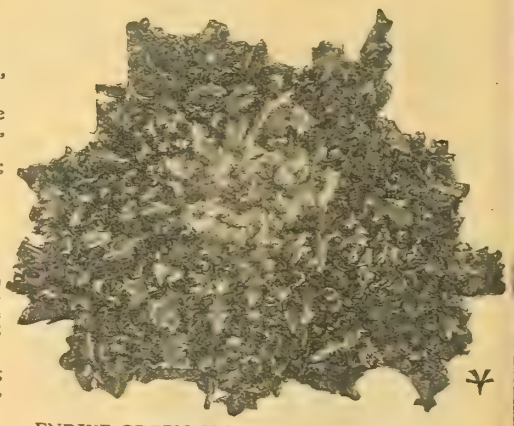
BROAD LEAVED BATAVIAN WHITE ESCAROLE. Pkt., 10c; oz., 25c; ¼ lb., 65c.

ENDIVE is a delightful autumn and winter salad. Sow seed from middle of June to the end of August. Frost improves the flavor.

★Broad Leaved Batavian White Escarole. (Florida Full Heart.) 92 days. Of the straight smooth leaf Batavian type, this variety has the largest number of heart leaves and the finest salad quality of any we have tried. It grows upright, resists drought, and when tied up for bleaching it produces a cluster of creamy, tender, spicy leaves which are easily prepared for serving. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★Florida Deep Heart. 95 days. Similar to Full Hearted Escarole. It has a deeper heart and is more easily blanched. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Cos Endive. A new variety worth trying. Pkt., 10c; oz., 25c; ¼ lb., 65c.



ENDIVE GREEN CURLED. Pkt., 10c; oz., 25c.

Green Curled. In 70 days. Standard variety for fall and winter. Finely divided leaves make the plant appear mossy, and when centers are blanched it is most beautiful. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Moss Curled. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Rose Ribbed Curled. In 75 days. Has leaf ribs of red. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Ever White Curled. About 75 days. Very crisp. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Chicory

Witloof (French Endive). In about 150 days. A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Pkt., 10c; ½ oz., 30c; oz., 50c.

Large Rooted Magdeburg. 65 days. Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. Pkt., 10c; ½ oz., 30c.; oz., 50c.

Asparagus Chicory. 55 days. Cultivated for its fresh green shoots, which are boiled in salt water and served hot, or in cold salad. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 10c.; ½ oz., 30c; oz., 50c.

LETTUCE

Sow as soon as soil can be prepared, in ½-inch drill, 5 seeds to an inch. Feed well, to make it grow fast. Thin out first to stand an inch apart; then use alternate plants until leaf varieties stand 8 inches, heading varieties 12 inches apart. Make succession sowings to prolong harvest.

TASTY bowl salads not only delight the palate, but when made with green leaves, are rich in Vitamin A and other dietary necessities. Home gardeners may plan their sowings so as to have bowl salad materials throughout the season. Besides lettuce, endive of both curly and broad-leaved types (Escarole) are excellent, as are cress and Finnochio. Heading varieties of lettuce may not head readily in hot weather sections, but they grow rapidly and produce an abundance of leaves. Says Emile Foially, salad chef of the Hotel Sherman's famous College Inn, Chicago: "Leaf lettuce and romaine are far more tender and better flavored; and take the salad dressing perfectly, which is important. And the doctors say their green leaves have more vitamins. What a combination!" Quick growth is essential for all leaf crops. Quantity needed to sow: 30 ft., 1 pkt.; 250 ft., 1 oz.

GREAT LAKES LETTUCE. Pkt., 25c.

LEAF LETTUCE

★Oak Leaf. 40 days. Since we revived this excellent old variety it has become the most popular leaf lettuce for home gardens from coast to coast The rich dark green of its leaves, its tenderness, and resistance to hot weather, are all outstanding. We consider it best of the leaf type for home gardens. Pkt., 20c; ½ oz., 35c; oz., 60c.

★Black Seeded Simpson. Matures in about 46 days. Its large rich green leaves are thin, tender and crisp, forming a loose head. It is one of the most vigorous varieties in hot weather and slow to run to seed. It is especially adapted to the home garden.

Vaughan's Selected Stock. Pkt., 10c; oz., 30c; ¼ lb., 70c.

Grand Rapids. About 45 days. This home garden favorite, also extensively planted for hotbed or greenhouse growing. The leaves are light green, daintily curled, tender, crisp, delicious Our selected stock has been bred to a high degree of uniformity in type and season.

Vaughan's Extra Selected Stock. Pkt., 10c; oz., 30c; ¼ lb., 70c

Grand Rapids Forcing Ohio Strain. Like the original strain except that leaves are very dark green indicating rich vitamin A value. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

Early Curled Simpson. About 40 days. A white seeded leaf lettuce of excellent quality. Pkt., 10c; oz., 30c; ¼ lb., 70c.

Prizehead. 45 days. A popular, loose heading sort. Leaves crumpled, shaded brown; crisp, sweet and tender. Pkt., 10c; oz., 30c; ¼ lb., 70c.

MATURE PLANTS OF OAK LEAF LETTUCE. Pkt., 20c.

ROMAINE OR COS LETTUCE

THIS type of lettuce forms upright loose folding heads, and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching. Esteemed the finest of lettuces in flavor.

Express Cos. In 70 days. A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing. Pkt., 10c; oz., 30c; ¼ lb., 80c.

Paris White or Trianon. In 75 days. Grows to large size. Self-closing. Pkt., 10c; oz., 30c; ¼ lb., 80c.

FAST GROWING FOR POULTRY

New Chicken Lettuce. About 48 days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again. The leaves can be pulled off each stem like a kale. Pkt., 10c; oz., 25c; ¼ lb., 60c

EXPRESS COS. Pkt., 10c.

HEAD LETTUCE

★Cosberg. 76 days. Small compact heads, firm, clear to pale green, withstands heat, somewhat resistant to blight. Matured tight heads in July, in Chicago last summer. Pkt., 10c; ½ oz., 20c.; oz., 35c.; ¼ lb., $1.00.

Cosberg 600. 65 days. This is an early sure heading lettuce under adverse conditions. A smaller head than Hanson or Iceberg. Has light green leaves with no bronzing effect. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00.

★New York No. 12. Matures in about 80 days. This is the variety grown in California and shipped the year around to eastern markets. It often weighs two pounds, stands hot weather well. We offer the highly selected strain known on the Pacific Coast as No. 12. Seed should be started indoors and the seedling plants can be set out when true leaves have been formed, as soon as the soil is prepared. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.15.

★Iceberg. Matures in about 84 days. This makes a small head which is the tightest of any variety we know, and it resists hot weather well. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg. Pkt., 10c; oz., 30c; ¼ lb., 80c.

New York No. 515. Matures in about 80 days. This is a cross between New York and Iceberg bred for resistance to tip burn. Excellent for the home or market garden. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.15.

New York P. W. 55. 70 days. A crisp, hard heading, high quality lettuce having considerable resistance to tip burn. Pkt., 10c; ½ oz., 25c.

Improved Hanson. 80 days. This globe-shaped variety excels with vigorous growth in hot weather. It has broad leaves, beautifuly crinkled, tender and sweet. The outside leaves are a deep green, and the inner ones almost white. Pkt., 10c; oz., 30c; ¼ lb., 80c.

★Great Lakes. 75 days. A tight heading variety of the commercial New York type bred to produce mature heads in the hot summer weather of the middle west. It is slow to run to seed but needs fertile soil, and ample spacing in the garden row. Pkt., 25c; oz., 65c; ¼ lb., $2.00.

★Crisp as Ice. 74 days. Small dark green head overlaid with dark brown crumpled leaves, does not get bitter in hot weather. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.10.

Imperial No. 44. 82 days. The latest introduction in blight resistant types. Heads a little earlier than 847 and is a little more curled. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., $1.15.

Imperial No. 847. 84 days. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., $1.15.

Vaughan's All Seasons. About 80 days. In 1879 we introduced this distinctive variety. It is still a favorite. Heads are large, solid and handsome. It stands hot weather well and is slow to run to seed. Pkt., 10c; oz., 25c; ¼ lb., 65c

★Bibb. 57 days. Rather small head used as forcing lettuce in the South and shipped to the northern hotels where it has a reputation for its excellent quality. Leaves smooth, dark green. Pkt., 20c; ½ oz., 30c; oz., 45c.

May King. 60 days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 30c; ¼ lb., 80c.

Vaughan's Big Boston. 75 days. Large heads of bright green leaves, very tender. Pkt., 10c; oz., 25c; ¼ lb., 65c.

California Cream Butter. About 75 days. One of the best summer varieties, large solid heads, buttery flavor. Pkt., 10c; oz., 30c; ¼ lb., 75c.

Mignonette. 67 days. Compact, loose heading, medium size, crisp dark green leaves edged brown. Leaves frilled, head globular, firm. excellent quality. A very popular lettuce. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.15.

Cress

Upland Cress. About 65 days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00.

Curled Garden. About 65 days. Used with lettuce, it adds an agreeable pungency. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

Dandelion

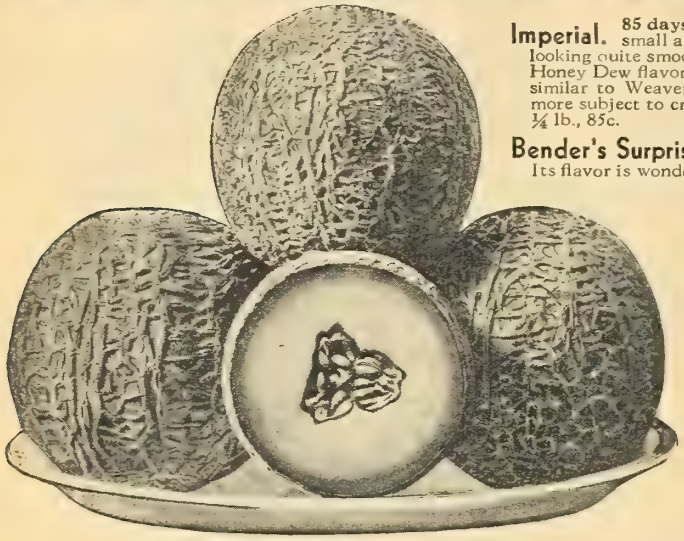
THICK leaf or cabbage variety. Cultivated for spring greens and salads, is fast gaining favor. Unlike common sorts, almost double usual size. Pkt., 10c; ½ oz., 30c; oz., 50c.

Finnochio

Fennel, Florence. 85 days. It has an enlarged leaf base which should have the dirt drawn up around it when it is the size of a hen's egg. Height of plant, 2 feet. Directions for culture and use given with each order. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.20.

MUSKMELON

Grow in light soil, in full sun, where plants can be watered. Sow in hills, five or six feet apart each way, six seeds 1½ inches deep to a hill, thinning out to 3 plants.



HONEY ROCK. Pkt., 15c.

Imperial. 85 days. Pale cream color skin with small amount of coarse netting, but looking quite smooth. Yellow flesh and a faint Honey Dew flavor. Season of Milwaukee, very similar to Weaver's Special, but smaller and more subject to cracking. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Bender's Surprise. 90 days. Large, thick-fleshed, heavily netted. Its flavor is wonderfully sweet, with almost no stringiness. Grows well in heavy soils. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Tip Top. 96 days. It is yellow-fleshed, sweet, juicy; of finest flavor. A strong grower and yielder. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★Pride of Wisconsin. 85 days. This has the desirable characteristics of the Honey Rock and grows well in heavy soil. The rind is very hard, of a pearly gray color, with but a faint rib, heavily covered with a distinctive netting. The flesh is unusually thick with good flavor. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

Newest Early Watermelons

WATERMELONS may be grown under favorable conditions in the north though they require 100 to 120 days to mature. Soil such as will mature good muskmelons is needed, with plenty of hot weather and no lack of water. Room for the vines to wander is required, preferably 8 to 10 feet between hills both ways. Avoid lifting the vines and use only hand tools in cultivation. **Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.**

★Stone Mountain. 82 days. A new round melon having red flesh free from stringiness. Very productive and excellent for home use. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★Stone Mountain Resistant No. 5. 85 days. Pkt., 10c; oz., 30c; ¼ lb., 75c.

★Ice Box. 70 days. It is desirable to have a melon that will go in the ice box without having to be cut. This round melon is about six inches in diameter, is early, hardy and of excellent flavor. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Early Ovid. 75 days. Very similar to Red Russian, darker green, bright red flesh with black seeds. Pkt., 10c; oz., 25c; ¼ lb., 65c.

TO ONE who has tasted a Vaughan's Milwaukee Market or Hearts of Gold muskmelon ripened on the vine, quality in muskmelons has a new meaning. In no other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor and thick flesh.

Remember, muskmelons must ripen on the vine. Except the Honey Dew, they do not improve after picking. **Quantity needed for 20 hills, 1 pkt.; 100 hills, 1 oz.**

★Hearts of Gold. 80 days. For the home garden with heavy soil, this is a most delicious variety. It has a flavor all its own, and never surpassed. In size it is just right, 5 to 6 inches in diameter, almost a sphere, with small seed cavity, well netted with shallow sutures. Pkt., 15c; oz., 30c; ¼ lb., 85c.

CUBAN QUEEN DIXIE QUEEN OVID RED RUSSIAN

MILWAUKEE MARKET MELON. Selected Seed. Pkt., 15c.

★Vaughan's Milwaukee Market. Matures in about 80 days. This is a large melon averaging 8 in. in diameter, with a small seed cavity and thick salmon flesh, which has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding from hand-cut, inspected melons.

Seed from hand-cut, inspected melons—Pkt., 15c; oz., 45c; ¼ lb., $1.35.

Standard Seed—Pkt., 10c; oz., 35c; ¼ lb., 85c.

Honey Rock (or Sugar Rock). 85 days. A wonderfully sweet melon with thick orange flesh and a distinctive flavor, suggesting the Honey Dew taste. It produces heavily and is the earliest quality variety. Oval fruits of medium size. An excellent home garden variety. Pkt., 15c; oz., 35c; ¼ lb., $1.00.

Hale's Best No. 36. 86 days. This is the improved Hale's Best type of outstanding merit. It not only is resistant to mildew and the ideal melon for shipping but is rapidly becoming a leader in other sections wherever Hale's Best is grown. The shape is oval, the size is medium with heavy net and a faint stripe which insures earliness. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Vaughan's Select Early Osage. About 84 days. Not as large as Osage, but of equal quality. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Banana. In 98 days. Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Mango Melon or Vegetable Peach. 90 days. Makes splendid mangoes, stuffed like peppers. For sweet pickles, pies and preserving. Cooking directions on packets. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Golden Honey. 90 days. Best yellow fleshed melon. Oblong, brown seed, flesh a sparkling gold, attractive and delicious. Rind dark green with faint irregular stripe. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Cranshaw. About 90 days. An earlier and improved Persian. Perhaps the largest of all quality melons. A fruit will weigh 10 lbs., almost spherical in form, heavily netted, with thick pink flesh, fine flavor. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

Honey Dew. 110 days. An old-time French melon imported by Vaughan's Seed Store for a melon specialist in Michigan; later found of good commercial value. Honey Dew is best when quite ripe. Unlike other melons, it grows sweeter after being picked. Pkt., 10c; oz., 35c; ¼ lb., 85c.

THE ROCKY FORD TYPE

Rocky Ford Netted Gem. About 96 days. Of the green-fleshed muskmelons, Rocky Ford is the recognized standard of excellence. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Pollock, 10-25. About 98 days. Salmon tint. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Cole's Early. 80 days. The northern states' favorite. The flesh is rich, deliciously sweet and crisp. It is about 20 inches long, 12 inches through; not a good shipper. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★Dixie Queen. 85 days. The latest. It is semi-round, has very thin rind but stands shipping. Has white seed and deep red flesh. One of the sweetest. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Improved Kleckley. About 87 days. Similar to Kleckley's in shape, but larger and has harder rind. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★Red Russian. Or Early Kansas. 85 days. Flesh very deep pink, brown seeds, thin rind and very solid center. Pkt., 10c; oz., 30c; ¼ lb., 75c.

Florida Giant (Cannonball) 95 days. The largest melon of good quality, often reaching 50 pounds in weight; good for shipping and for home gardens where the season is long enough. Dark green, solid pink flesh, seed dark brown to black. Vigorous and productive. Pkt., 20c; oz., 35c; ¼ lb., $1.00.

Klondyke. Striped. In 90 days. Known as the best long black watermelon grown in California. The seeds are small, flesh a deep red. It has a remarkable flavor, stands short distance shipping but is more of a home type. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Klondyke Resistant No. 7. 90 days. Pkt., 15c; oz., 35c; ¼ lb., $1.00.

Tom Watson. In 92 days. The flesh is rich red, tenderly melting. Pkt., 10c; oz., 25c; ¼ lb., 65c.

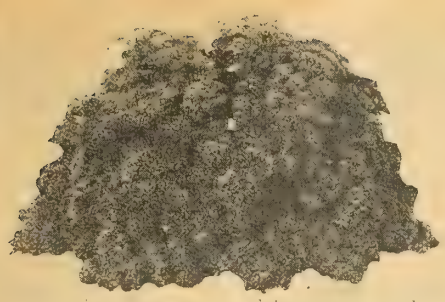
Sweet Siberian. In 80 days. A very early variety of medium size, with yellow flesh of superb quality. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Irish Gray. In 90 days. A mottled greenish gray, equal of any. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Wilt Resistant Kleckley's No. 6. 92 days. Pkt., 10c; oz., 30c; ¼ lb., 75c.

Citron. In 90 days. For preserves. Red or green seeded. Pkt., 10c; oz., 30c; ¼ lb., 75c.

Winter Watermelon. 85 days. Like Honey Dew in size and long-keeping qualities. Prolific, and excellent flavor. Pkt., 10c; oz., 35c; ¼ lb., 85c.



PARSLEY, Champion Moss Curled. Pkt., 10c.

Parsley

PARSLEY should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows.

The rooted parsley provides excellent flavoring for soups and stews. **Quantity needed to sow 50 ft., 1 pkt.; 200 ft., 1 oz.**

Vaughan's Champion Moss Curled. **In about 70 days.** Robust, compact plants; the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Vaughan's XXX Parsley. **In 75 days.** Curled leaves of delicate green, appetizingly fresh and beautiful, add zest and richness to substantial or delicate viands. It grows very dwarf in the garden—many of our customers plant it as a border. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Plain or Italian. **In 72 days.** Not curled. However, the flavor is excellent and plant is very hardy. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Double Curled. **70 days.** Dwarf, handsome green, curled variety. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Hamburg Rooted. **90 days.** Resembles a small parsnip. Used for flavoring soups. Our strain is exceptional. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Evergreen. **In 80 days.** Darkest green curled. All-America award. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Hamburg Rooted Parsley. Pkt., 10c.

Parsnips

PARSNIPS may be harvested at times when the garden has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. For the best results deep soil is needed, and fresh manure should not be used as it will cause the roots to divide. **Quantity needed to sow 25 ft., 1 pkt.; 150 ft., 1 oz.**

★Vaughan's Marrowfat. **95 days.** This variety produces roots of uniform good size, fine shape, clean, smooth skin. In richness of flavor it is unequaled. For exhibition it is a winner. Pkt., 10c; oz., 40c; ¼ lb., 75c.

Hollow Crown, Long Smooth. **About 95 days.** Tender and sugary; one of the best. Our strain is a good selection. Pkt., 10c; oz., 35c; ¼ lb., 65c.

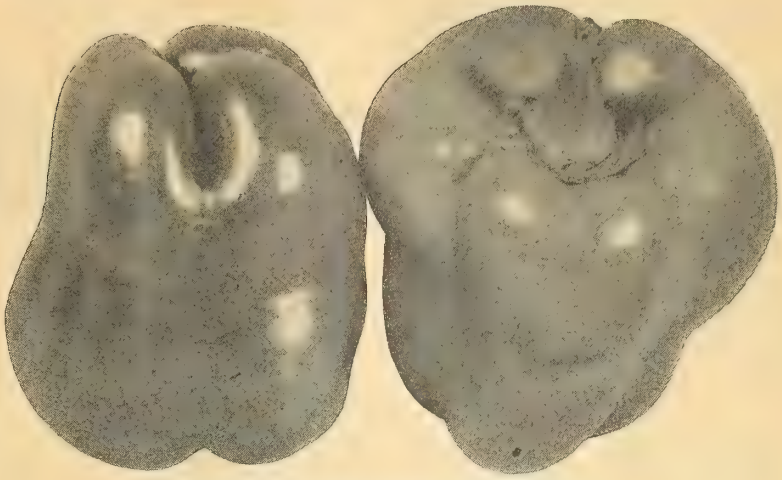
Improved Guernsey. **95 days.** An improvement over the parent, "Hollow Crown," but it is much larger in diameter, though not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor. Pkt., 10c; oz., 35c; ¼ lb., 65c.

Ideal. **About 95 days.** Shorter than Hollow Crown and freer from side roots; tender, uniform and slightly hollowed neck. Washes up a good white. Pkt., 10c; oz., 40c; ¼ lb., 75c.

Short Thick. **90 days.** This little parsnip makes a fine garden vegetable. The tops are only about half the size of Hollow Crown. The roots are short and thick, having a diameter of 2½ to 3½ inches and a length of only 6 or 8 inches at the thickened part. Pkt., 10c; oz., 45c; ¼ lb., 85c.

PEPPERS

Plants started eight weeks before are set out one week after frost proof date. Harvest continues until frost, if vines are picked clean.



CALIFORNIA WONDER PEPPER. Pkt., 15c.

The plants should stand eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. **One packet produces 75 plants; one ounce, 1000 plants.**

★Early California Wonder. **Matures in about 60 days.** A quality giant is recommended for the home garden. Mild, sweet, midseason, it produces fruits 4 by 4½ inches, with thick flesh and bright crimson coloring. Pkt., 15c; ½ oz., 45c; oz., 85c.

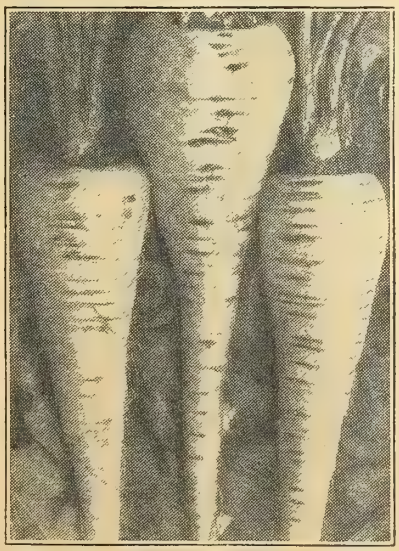
★California Wonder. **About 75 days.** A mild, sweet variety, very large. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. Pkt., 15c; ½ oz., 40c; oz., 70c.

★Vaughan's Giant Magnum Dulce. **In 67 days.** This mild pepper grows to 7 inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the first buds. Pkt., 15c; ½ oz., 40c; oz., 70c.

Harris' Early Giant. **63 days.** Heavy yielder among the large peppers, also earlier. The plants are vigorous; peppers 4 by 4½ inches. Color, deep green turning to red; very sweet. Pkt., 10c; ½ oz., 40c; oz., 75c.

Crimson Giant. **About 70 days.** One of the earliest large red. The peppers are green when young and a rich red when ripe; flesh thick, sweet and mild. Pkt., 10c; ½ oz., 45c; oz., 75c.

King of the North. **In 64 days.** A sweet medium short and blocky. Not quite as early as Early Giant. Pkt., 10c; ½ oz., 40c; oz., 75c.



PARSNIP, HOLLOW CROWN. Pkt., 10c.

Chinese Giant. **80 days.** Grows 4 to 5 inches broad on top and of equal length, mild flavored and makes a very fine salad sliced and served like tomatoes. Pkt., 15c; ½ oz., 40c; oz., 75c.

★Hungarian or Banana (Hot). **In 65 days.** A slender hot pepper much prized for canning. It is 1½ inches in diameter at the base and often 10 inches long. Yellow turning to red. Pkt., 15c; ½ oz., 40c; oz., 70c.

Hungarian or Banana (Sweet). **In 65 days.** Same as above, but sweet. Pkt. 15c; ½ oz., 40c; oz., 70c.

HUNGARIAN OR BANANA. Pkt., 15c.

Ruby King. **In 68 days.** One of the most popular, growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and quite sharp in flavor. Pkt., 10c; ½ oz., 40c; oz., 75c.

Bull Nose, Hot. **In 70 days.** A pungent pepper. Pkt., 10c; ½ oz., 35c; oz., 60c.

Pimento Perfection. **In 73 days.** Flesh thick and very mild. Must be started early in the north to mature. Pkt., 10c; ½ oz., 40c; oz., 75c.

Large Bell. **70 days.** Large, mild. Pkt., 10c; oz., 40c.

Cayenne. **70 days.** Long, red, hot. Pkt., 10c; ½ oz., 35c; oz., 60c.

Vaughan's Sweet Mountain. **In 70 days.** Very productive; the flesh mild and thick, 6x4 inches. Pkt., 10c; ½ oz., 40c; oz., 75c.

Oshkosh. **70 days.** Small upright bush, fruit 4"x3", deep green turning to orange-yellow. Pkt., 15c; ½ oz., 45c; oz., 85c.

Red Cherry. **70 days.** Pkt., 10c; ½ oz., 40c; oz., 75c.

Golden Queen. **In 78 days.** Pkt., 10c; ½ oz., 40c; oz., 70c.

Tabasco. **About 95 days.** Hottest of all. Pkt., 15c; ½ oz., 40c; oz., 75c.

Red Chili. **75 days.** Good hot pickling. Pkt., 10c; ½ oz., 40c; oz., 70c.

Chili Anaheim. **In 80 days.** Pkt., 10c.; ½ oz., 40c; oz., 70c.

Pimento Sunnybrook. **About 73 days.** Pkt., 10c; ½ oz., 40c; oz., 75c.

Grow Your Own Mushrooms

TO GROW a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. A leaflet, "How to Grow Mushrooms," FREE with orders for Mushroom Spawn.

PURE CULTURE BOTTLE SPAWN

This spawn is made in glass jars under absolutely sterile conditions, so that every mould, weed seed or insect is destroyed and each bottle contains nothing but pure spawn. One bottle equals 5 bricks of ordinary spawn and is sufficient for 40 square feet.

Per carton.....	$ 0.90	25 cartons for...	$18.75
12 cartons for...	9.00	50 cartons for...	36.50

If wanted by Parcel Post allow for postage at zone rate, weight about 1 lb. per bottle.

PURE CULTURE BRICK SPAWN

One brick will spawn 8 to 10 square feet and comes in pure white.

Per brick.....	$ 0.35	Per 25 bricks....	$ 5.50
Per 5 bricks....	1.50	Per 50 bricks....	10.00
Per 10 bricks....	2.75	Per 100 bricks...	18.00

If wanted by Parcel Post add postage at zone rate, weight about 1 lb. per brick.

Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy.

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

White Velvet. 70 days. Produces pods larger than any other. Pkt., 10c; oz., 20c; ¼ lb., 50c.

White Lightning. 65 days. Similar to White Velvet, 6 in longer pod, remaining tender for a greater period of time, making it much more desirable. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Tall or Perkins Mammoth. 68 days. The long pods, measuring 4 and 5 in., are produced in great quantities. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Dwarf Long Pod. 65 days. Low, stocky and productive, with long pods. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Clemson Spineless. 55 days. Similar to Dwarf Long Pod; a little taller bush, having longer and darker pod. Pkt., 10c; oz., 20c; ¼ lb., 50c.

OKRA DWARF LONG POD IN OUR TRIALS. Pkt., 10c.

ONION SETS

Use large sets planted 2 inches deep for green onions, smaller one inch deep for mature onions; space the first one-inch apart, the second 3 to 4 inches. Plant with the earliest crops.

WHITE RED YELLOW

VAUGHAN'S BOTTOM ONION SETS

The first home garden harvest in the spring is young onions from sets. Spring sets can be put into the ground as soon as it is able to be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively late into the summer, as long as the sets remain in good condition.

Quantity needed for 75 to 100 ft., 1 lb.

White Bottoms. Our sets of these are very choice, small, dry and unsprouted. Lb., 50c; 2 lbs., 95c; 5 lbs., $1.90; 10 lbs., $3.50.

White Sets being very scarce, when they are exhausted, we will substitute Yellow unless customer specifies otherwise.

Yellow Bottoms. Fine dry sets, medium in size and unsprouted. Lb., 50c; 2 lbs., 95c; 5 lbs., $1.90; 10 lbs., $3.50.

Red Bottoms. Bright, deep red in color, even and dry. Lb., 50c; 2 lbs., 95c; 5 lbs., $1.90; 10 lbs., $3.50.

Golden Globe. Sets. Large yellow globe. Very desirable as a large dry onion for the home gardener. A superior keeper. Lb., 50c; 2 lbs. 95c; 5 lbs. $1.90; 10 lbs., $3.50.

Pound and two pound prices for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For further zones add 5c per pound. Onion Sets if ordered before March 1st, are 5c less per lb.

The largest onions may be grown from sets ½ to ¾ inch in diameter.

BERMUDA ONION PLANTS

These are especially suitable for home gardens. Seed is sown early in Texas, and the plants are lifted, to be replanted in Northern gardens, to produce sweet, mature onions of Bermuda quality. Ready April 1st. Per bunch, 60c, postpaid. Ten bunches, $4.00, postage extra; weight about 6 lbs.

Bunch Onion. The best green Bunch Onions from seed are grown from White Lisbon, producing tender, long, white tops. If hilled a little these green and white stalks may be consumed entirely. Does not get tough like the White Welch or Winter Top. Pkt., 20c; ½ oz., 60c; oz., $1.00; ¼ lb., $3.00.

FOR FALL PLANTING

Yellow Multipliers. Especially valuable for the first early spring onions. They are very mild and sweet in flavor and far superior to the green onions from other sets. There are usually several stalks from a single bulb and in this way are very productive. Their most important quality is their extreme earliness being ready for eating ahead of any other kind. Lb., 50c; 2 lbs., 95c; 5 lbs., $1.90; 10 lbs., $3.50.

Egyptian or Red Perennial. For fall planting only. This variety never forms a large bulb; its value lies wholly in its **special adaptability to produce green Onions** for spring or fall use which are perfectly hardy and stay in the ground all the time. We sell in fall only, to be planted for early spring crop. Lb., 30c; 2 lbs., 55c; 5 lbs., $1.25; 10 lbs., $2.00.

Close Cousins of the Onion

Garlic Sets

Selected Bavarian. **In about 110 days.** Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter, hang in strings in a dry basement. Lb., 45c; 10 lbs., $4.00. Postage extra. Write for latest market prices on quantities.

Chives

A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. The leaves are used for seasoning. The flowers are a beautiful lavender. Pkt., 25c; ½ oz., 50c; oz., 90c.

Leeks

Leeks are better if transplanted. Use a dibber, set the plant deep in the hole and do not fill it up but let the soil wash in. Leeks are cousins of the onions and their flavor is subtly different when used in stews. All varieties mature in about 130 days.

★Elephant. Largest of all leeks. Pkt., 15c; ½ oz., 40c; oz., 75c.

Large Musselburg. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 15c; ½ oz., 40c; oz., 75c.

Broad Scotch or London Flag. Hardy; a strong plant, with broad leaves. Pkt., 15c; ½ oz., 40c; oz., 75c.

Large Carentan. Pkt., 15c; ½ oz., 40c; oz., 75c.

LEEK ELEPHANT. Pkt., 15c.

VICTORY GARDEN MANUAL

By JAMES H. BURDETT

Fifty graphic illustrations, 4 full page color plates, 128 pages. $1.75. This intensely practical book embodies the experience of the first Victory Garden year and gives complete instructions for planning, planting and maintaining a Victory garden which will supply food in profusion but without waste, and of maximum nutritive value. Tells how to apply in your garden the latest discoveries of science.

ONIONS

Sow with the earliest crops, in rich soil, in drills ½ inch deep. Thin to 4 inches apart, using discards in green stage. Water when needed. Harvest after tops shrivel and dry in the sun, store in a dry place.

PLANT breeders select for parents, specimens which do well in their breeding grounds. If bred in Illinois, the progeny of these plants will be resistant to Illinois hazards, and will have a liking for similar soil and climate.

Breeding work in California necessarily develops strains that thrive under the unique California conditions but which might not thrive so well elsewhere. Because of this we breed all our onions in Illinois, so we can know that our strains are adapted to the conditions of soil and weather which prevail in the great area lying east of the Rocky Mountains to the Atlantic Ocean, where our seed is chiefly grown. Liking for this environment is bred into our onion strains.

Our strains are grown from mature onions which have been carefully inspected for conformation to type, and excel in productiveness and uniform quality. The small additional cost over ordinary seed is insignificant compared to the great improvement in your crop. **Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.**

VALENCIA SWEET SPANISH ONIONS. Top, white; bottom, yellow.

Onions for Winter Keeping

Golden Globe. Pkt., 15c.

★Golden Globe. 115 days. An exceptionally fine yellow globe onion of superior weight. When grown as a dry onion its keeping quality is superior, making it very desirable for the home and market gardener. Has a very deep globe, carrying its greatest diameter well up from the root. Has 3 skins for protection and from seed matures same time as Southport Globe. From sets it matures much earlier. It is a heavy yielder and a fine keeper. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

★Southport Yellow Globe. Ball type. In about 110 days. For growing on muck soil, this is the best keeping strain we have been able to develop in years of growing and selecting. This is the most uniform strain and will keep in storage longer than any other we know. It is preferred by large onion growers. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., $2.50.

Southport Red Globe. About 110 days. A little deeper than Southport Yellow Globe, in color a rich dark red. A wonderful keeper with finely bred neck and a heavy yielder. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., $2.35.

★Vaughan's Special Yellow Globe. 100 days. ("MOUNTAIN" DANVERS.) Slightly smaller than Southport. When aphis damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., $2.50.

Large Red Wethersfield. About 100 days. An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class in the south and southwest. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

Fancy Yellow Globe Danvers. About 110 days. This is early, almost true globe-shaped, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe shape that it passes for globe on the market. The crop ripens uniformly at one time, and its keeping quality is excellent. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., $2.50.

Brigham Yellow Globe Onion. 110 days. A strain of Southport Yellow Globe. While not as uniform in shape, it is among the best in production and keeping qualities. It may be grown successfully on either muck or heavy soil. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., $2.50.

Ohio Yellow Globe. In 110 days. Of uniform shape, beautiful color and fine size, it out-classes the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., $2.50.

Vaughan's Ideal White Globe. About 110 days. A strikingly handsome onion; very early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 20c; ½ oz., 60c; oz., $1.00; ¼ lb., $3.00

SOUTHPORT YELLOW GLOBE. Pkt., 15c.

Onion Seed of Flat and Pickling Types

Quantity needed for 25 ft., 1 pkt.; 125 ft., 1 oz.

White Portugal or Silverskin. About 100 days. This beautiful white onion is a splendid sort for growing white onion sets, pickles and for early bunching green onions. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape. It has fine mild flavor, and is best of the white onions for keeping. Pkt., 15c; ½ oz., 60c; oz., $1.00; ¼ lb., $3.00.

Brown Australian (Flat). About 100 days. A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, a heavy yielder and a long keeper; keeps well in warm climates. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., $2.15.

Ebenezer. In 100 days. There has been a tremendous demand for this yellow skinned onion for the growing of Onion Sets. Ebenezer Onion Sets produce a much larger tonnage of marketable onions than does the old Strasburg or Danvers. Moreover, a smaller percent of the sets run to seed. Ebenezer is a fine keeper, mild and well flavored. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., $2.15.

ITALIAN ONION SEED

Vaughan's Pickling. About 90 days. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions. Pkt., 15c; ½ oz., 60c; oz., $1.00; ¼ lb., $3.00.

SPANISH TYPE ONIONS

★Valencia Sweet Spanish. Utah Strain. Matures in about 110 days. Here is a mild, sweet, giant onion of the true Spanish type, which you can grow from seed in your own garden. From seed it will produce onions weighing a pound; if started in the hotbed, two pound specimens can be grown. It comes in two colors, yellow and white, both alike otherwise. These onions are delicious at all stages of growth.

White or Yellow (specify color desired). Pkt., 20c; ½ oz., 60c; oz., $1.00; ¼ lb., $3.00.

Riverside Sweet Spanish. 110 days. This is a California grown strain of the Spanish (Denia) onion. It is the most popular onion in Southern California and when grown as a specimen attains enormous size, 4 to 4½ pounds. In color it has a cream or pale yellow tint. Pkt., 15c; ½ oz., 60c; oz., $1.00; ¼ lb., $3.00.

Prizetaker—American Grown. 105 days. Of the same type as the large Spanish onions, Prizetaker is a yellow globe that matures to great size under right conditions; it should be started early in hotbed. Pkt., 15c; ½ oz., 60c; oz., $1.00; ¼ lb., $3.00.

BERMUDA TYPE

Crystal White Wax. In about 90 days. This is a pure white flat onion, very popular in the south, especially in Texas. Will make but small onions in the north. Very sweet. Teneriffe seed. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

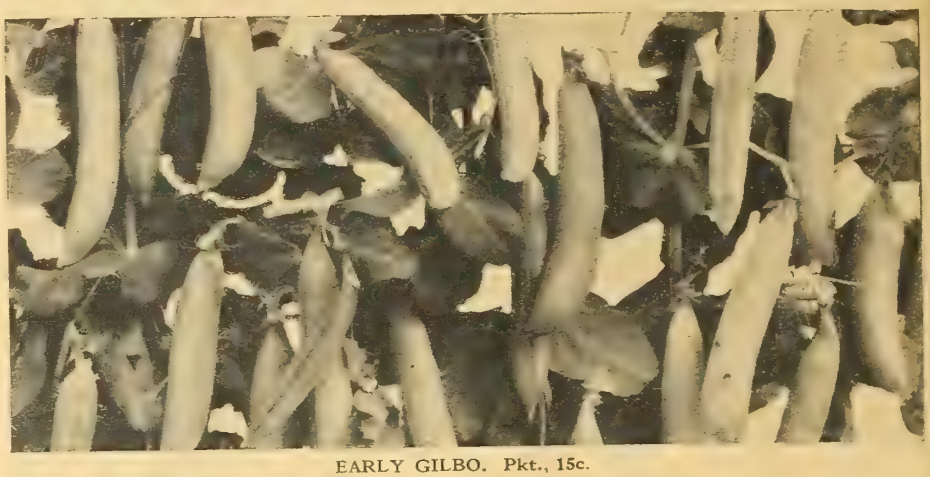
He-Shi-Ko. (Green Table Onion). 50 days. An early bunch onion that can be sown either spring or fall. A tall type which never forms a bulb. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

PEAS

Sow smooth seeded with earliest crops, wrinkled peas two weeks before frost proof date. Sow 2 inches deep, two inches apart in row, or in twin rows, 6 inches apart, with support between. Crop must mature before hot weather.

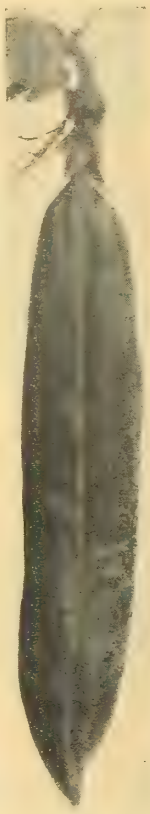
PEAS are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best.

Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts into early yielding varieties which will bear a crop before the summer's drought arrives. Our strains are selected for these qualities. **Quantity needed for 100 ft., 1 lb.**



EARLY GILBO. Pkt., 15c.

DWARF



LAXTON'S PROGRESS. Pkt., 10c.

★Little Marvel. 64 days. The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., $1.50.

Giant Stride. 74 days. Pea blight is a wilt affecting peas when they are planted too often in the same ground. You will find the new Pea Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder. It makes a vine 16 to 18 inches tall, dark green, with pods longer than Laxton's Progress and better filled with peas of excellent flavor. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., $1.50.

★Early Gilbo. 72 days. A new pea from one of our oldest pea growers. Rogers Brothers have perfected what they consider one of their best market garden varieties and have named it after one of their oldest breeders. Vine 24-28 inches tall, very dark and heavy. Pod 4½-5 inches long by ½ to ⅝ inch wide, of the Dwarf Alderman type. Season 69 days. Pkt., 15c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., $1.50.

Nott's Excelsior. In 62 days. Almost as early as the round seeded varieties, but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., $1.25.

★Century of Progress. Matures in about 76 days. This is a vigorous growing, heavy yielding variety which bears large, wrinkled peas of the very highest table quality in greater profusion than other varieties of equal quality. It grows 20 inches tall, with heavy foliage of a dark green, and dark green pods 4½ inches long. It is an excellent home garden variety. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., $1.50.

Laxton's Progress. 62 days. The earliest and by far the best of the large-podded, large-fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Hundredfold. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., $1.50.

Hundredfold. About 62 days. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas. Hundredfold is in season a few days later than the first earlies. It excels in size, appearance and productiveness. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., $1.50.

Premium Gem. 64 days. An extra early old type garden pea that could well be replaced by Nott's Excelsior or Little Marvel, as they are superior. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., $1.25.

Dwarf Telephone or Daisy. About 76 days. A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each containing 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., $1.25.

Eat Your Own Peas Six Weeks for 25¢

IN sections where spring is late, and hot weather arrives soon after, best results with peas are obtained by sowing an early, midseason and late variety all at the same time. We recommend the varieties below for this purpose.

Sow in Early Spring

LITTLE MARVEL—Dwarf, Early
GIANT STRIDE—Dwarf, Main Crop
DWARF DEFIANCE—Dwarf, Late

1 Pkt. of each (3 pkts.), ... 25c.
½ lb. of each (1½ lbs.), ... 50c.
1 lb. of each (3 lbs.), ... 85c.

American Wonder. 61 days. Among the oldest of the home garden peas it is being superseded by Nott's Excelsior and Little Marvel. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., $1.25.

Dwarf Defiance or Stratagem. About 79 days. Pea growers cannot afford to overlook this splendid main crop success; it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., $1.25.

Pea Cultural Notes

Peas should be sown when the ground is ready to work, without delay. It is important to have rich soil, somewhat light, and to give plenty of water if a full crop is to be produced. It will pay to use a balanced commercial fertilizer in the row when the seeds are sown. Do not crowd the seed. It is better to sow in single rows, with two inches between the seeds, or in double rows, the rows six inches apart, and seeds two inches apart.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to and including 2 pounds. For postage charges on larger lots, see Page 104.

Tall Peas

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequaled for length of season, heavy yielding and high quality. Support should be given and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

★Vaughan's Improved Telephone. 74 days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., $1.50.

Everbearing. About 74 days. For late summer and autumn; very prolific variety. Pod about 3 inches long, with large peas of good quality. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., $1.25.

EDIBLE POD PEAS

(Cooked like String Beans)

Dwarf Gray Sugar. About 65 days. Vines 16 inches. Pkt., 10c; lb., 45c; 2 lbs., 85c.

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

World's Record or Improved Gradus. 60 days. Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 10 or more rich, tender peas in each. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c.

Thomas Laxton. About 62 days. This is a selection of Gradus. The season is identical, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c.

Alaska—Called Earliest of All. In about 57 days. Alaska and "Maud S." are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Pkt., 10c; lb., 40c; 2 lbs., 70c; 5 lbs., $1.25.

THE FOOD GARDEN. By Lawrence and Edna Blair. 148 Pages. 40 full page drawings. $2.00. The twenty double-page spreads of line drawings show various steps in cultivating each crop and the text gives full explanations of the drawings and further cultural directions.

Inoculate Seed Peas

To Stimulate growth, use culture of nitrogen secreting bacteria. Garden size sufficient for 5 lbs. of seed, of peas, beans and sweet peas. 10c.

Certified Seed Potatoes

WE offer certified stock only of Northern Grown Seed Potatoes that has been inspected while growing and again at harvest. Nothing is certified but that which is 95% free of disease. These potatoes will be ready to ship from Chicago on and after March 1, 1945. Due to labor conditions we will fill no orders for less than 30 lbs. and they will all be shipped by express at the purchaser's expense. Prices are all F.O.B. Chicago. The purchase price must be sent with every order as no potatoes will be shipped C.O.D.

All potatoes will be sacked in ½ bushel, bushel or 1½ bushel containers.

For the Home Garden—Early Ohio and Irish Cobbler are the best early varieties, the former in the east and the latter in the west. One of the rural type is recommended for the late crop.

Irish Cobbler—Early Heavy Cropper. An early of medium size, and in light soil maturing almost as soon as the smaller cropping earlies. Its size, shape, good quality and appearance commend it. Our seed is grown in Red River Valley, Minnesota. 30 lbs., $2.00; 60 lbs., $3.90; 90 lbs., $5.85.

Russet Rural. A mid-season late potato giving a heavy set of good sized potatoes, russet color outside, but inside a good clear white. Preferred in many sections to the Rural New Yorker. 30 lbs., $2.00; 60 lbs., $3.90; 90 lbs., $5.85.

EARLY OHIO POTATOES.

Vaughan's Improved Early Ohio (Red). A week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minnesota, the natural home of high-class potato seed. 30 lbs., $2.00; 60 lbs., $3.90; 90 lbs., $5.85.

SWEET POTATOES

Sweet potatoes will be shipped either from 601 W. Jackson Blvd., Chicago, or from our farm in Southern Illinois, all by express at purchaser's expense. We offer. Yellow Jersey, Nancy Hall and Porto Rico. 10 lbs., $1.50; 25 lbs. and over, 14c per lb.

★—Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

Field run pumpkins from our trials. Left to right: Top row: Mammoth French, Big Tom, Large Cheese, Mammoth Prize. Middle row: Colonial Pie, Golden Cushaw, Striped Cushaw, White Cushaw. Lower row: Bush or Everbearing, Sugar Pie, Winter Luxury, Kentucky Field.

Big and Small Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and jack-o'-lanterns.

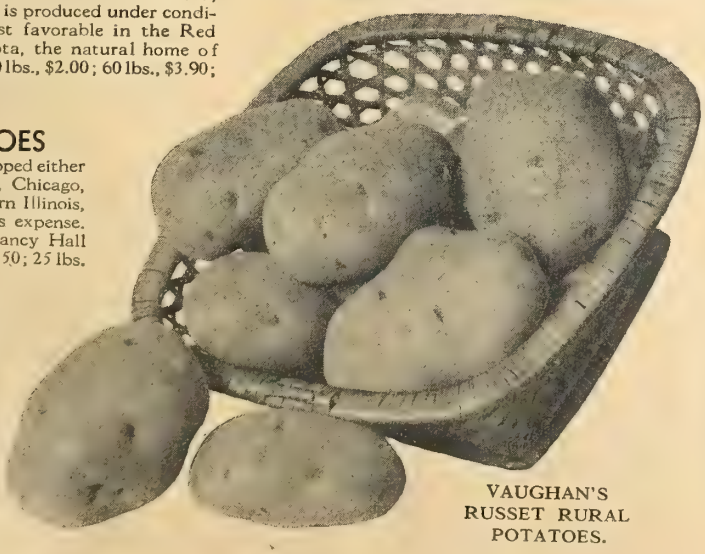
Autumn, Bush, or Everbearing. In 100 days. For the first time we offer a genuine bush form pumpkin, a boon for the home garden where space is limited. On a bush similar to that of Italian marrow, requiring a space 4 ft. square, it bears small pumpkins, excellent for pies. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

★Vaughan's Small Sugar Pie Pumpkin. 110 days. Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

SWEET POTATO PLANTS

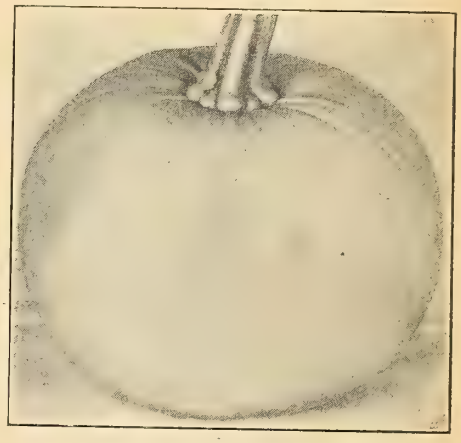
All orders for Sweet Potato plants will be shipped from our Southern Illinois farm, direct to the purchaser and no plants will be shipped C.O.D. Orders for 1000 or less will be sent by mail post paid, all orders for more than 1000 will be shipped express at purchaser's expense. Varieties: Yellow Jersey, Nancy Hall and Porto Rico, 100 plants, $1.40; 200, $2.25; 500, $4.00; 1,000, $6.50; by express per 1,000, $6.00.

They will be ready for shipment from April 15 to June 15. Our method of packing should insure safe arrival of plants in good condition. If larger quantities than quoted above are wanted, ask for special quotation.



VAUGHAN'S RUSSET RURAL POTATOES.

★Large Field or "Big Tom." 110 days. The standard pumpkin grown in corn fields for a feeding crop. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.40.



SMALL SUGAR PIE PUMPKIN. Pkt., 10c.

Cushaw. 110 days. We offer three strains, White, Striped and Golden. A favorite pumpkin for pies, having no seeds in the neck, all being confined in the enlarged portion near the blossom end. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

★Vaughan's Mammoth Prize. In about 120 days. Specimens have grown to 100 lbs; notwithstanding, it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.25.

Winter Queen or Winter Luxury. In about 100 days. A quality pie pumpkin and the best winter keeper. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

Colonial Pie. About 110 days. Fine quality, good keeper. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

Large Cheese. About 110 days. Large, flat like a cheese box. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.40

Kentucky Field In 120 days. Medium size, oval shaped, lemon-yellow color. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., $1.40.

TREAT WITH QUICK, EASY

SEMESAN BEL

DIP FOR LARGER POTATO CROPS

A one minute dip in Semesan Bel solution will reduce scab and rot, even when used on clean seed potatoes. Increases in yield usually result. Directions for treatment are supplied. One pound treats 60 to 80 bushels. Prices of Improved Semesan Bel: ceiling prices, 2 oz., 30c; 1 lb., $1.65; 5 lbs., $7.15; 25 lbs., $33.25; 100 lbs., $125.00

RADISH

Sow with earliest crops, in ½-in. drill, 5 seeds to the in. Sow early types one week's supply at a time, at weekly intervals. Mix with parsnips, parsley and carrots, to mark the row. Harvest when large enough to eat. Summer and winter types have longer harvest.

Make Small, Frequent Sowings of These

SCARLET GLOBE RADISH. Pkt., 10c.

★Early Scarlet Globe Select. (F.) 20 days. Vaughan's Glasshouse Strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.
Short Top—Pkt., 15c; oz., 25c; ¼ lb., 50c; lb., $1.50.
Medium Top—Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

★Scarlet Turnip White Tip. 26 days. Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.
Vaughan's "Sparkler" Strain for Open Ground. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

Icicle. 25 days. The finest white, which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

SCARLET TURNIP WHITE TIP. Pkt., 10c.

Saxa. (F.) 20 days. This is a European variety which has become very popular in the United States. It is one of the very earliest radishes and slow to run to seed. The tops are very small, the radishes are round and bright scarlet. We recommend it for the first planting in the garden, and also for forcing in hotbed and greenhouse. Pkt., 10c; oz., 20c; ¼ lb., 45c; 1 lb., $1.25.

Vick's Scarlet Globe. An olive shaped Scarlet Globe Radish maturing in 20 days. Remains firm and tender. Pkt., 15c; oz., 25c; ¼ lb., 50c; lb., $1.50

★Giant Butter. 28 days. By far the largest of the early turnip radishes. In rich soil it will produce crisp, spicy, tender roots of perfect globe shape two inches in diameter, only a week later than the smaller globe types. It is usable for a much longer season before it begins to turn pithy and by planting a succession of crops it can be enjoyed throughout the summer. It is seldom found in the market and will make your friends talk. Pkt., 10c; oz., 20c; ¼ lb., 50c.

White Box—(Early White Turnip). 20 days. Our earliest white radish. Turnip-shaped, short top and a rapid grower—crisp. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

ICICLE. Pkt., 10c.

Early Long Scarlet Short Top. 28 days. A long, straight, smooth, red radish; it grows partly above ground, developing a long, tender, crisp and sweet root. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Crimson Giant. (F.) 28 days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Brightest Long Scarlet. 28 days. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Improved French Breakfast. (F.) 25 days. Early olive-shape 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Cincinnati Market. 30 days. A long red radish, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Early Deep Scarlet Turnip. 26 days. An old standby. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

The Pocket Book of Vegetable Gardening
by Charles H. Nissley

How, when, and what to plant. The latest practical, scientific advice on growing food for home use. Includes specially prepared charts showing **Vitamin Contents and Nutritional Values** as well as specific instruction for raising each vegetable. 244 pages illustrated; 30c by mail; 25c over the counter.

LATEST BOOK ON HOME CANNING

The Pocket Book of Home Canning by Elizabeth Beveridge. Complete instructions for: Canning, Preserving, Quick Freezing, Pickling, Storing, Drying. It will tell you how to convert the summer's surplus from garden, field, and orchard into a substantial war-time larder. Describes the A, B, C's, and the X, Y, Z's of canning, preserving, curing and storing. 140 pages illustrated; 30c postpaid; 25c over the counter.

RADISH, GIANT BUTTER. Pkt., 10c; oz., 20c.

RADISHES from April to December are possible for the home gardener who sows early, midseason, summer and winter types.

Radishes supply, in a 2 oz., portion, 6 I U of Vitamin B1, 11 milligrams of Vitamin C, 0.01 milligram of Vitamin B2. Sow them thinly with slow germinating seeds such as carrots, parsnips, and parsley and harvest the radishes before the companion crop begins to mature. Make frequent sowings of the early types a week's supply at weekly intervals.

Our strains are grown with the greatest care, which involves considerably increased cost, but the additional cost is small compared with the great difference in your crop.

Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool, moist fall weather. **Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.**

SUMMER RADISHES

When hot weather comes and spring varieties would turn pithy or run to seed, the varieties listed below will keep in good condition for a long time and furnish a most welcome tang to the salad course. Note that they mature more slowly, so sow them early enough. All of the following:

Price, pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

White Stuttgart. About 45 days. A turnip shaped large white radish.

White Strassburg. About 40 days. Larger size and thicker than Vienna. Very solid.

Long Season Radish Mixture.
½ oz. pkt., 15c.

This is a mixture composed of equal parts of the following early midseason and late varieties: Scarlet Globe, Giant Butter, Icicle, Brightest Long Scarlet, and White Stuttgart. Sow thinly in the row, and harvest as they mature. This mixture will provide an interesting assortment of radishes for the table, spread over two months of harvest.

WINTER RADISHES

These should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

Each of the following, pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

California Mammoth Winter. About 60 days. Long, very large size.

Rose or Scarlet China. In about 52 days. Rose, medium size, fine keeper.

Chinese Mammoth or Celestial. About 60 days. Immense size, flesh always crisp and mild.

Black Spanish, Long. In 58 days. Black skin and white flesh.

Black Spanish, Round. In 56 days. Like Long Black, only round.

(F.) Forcing Sorts.

★Varieties designated by a star as illustrated on this page are recommended as of especially fine strains and suited to the home garden.

VITAMIN-RICH GREENS

Essential Foods for Good Nutrition

FORDHOOK SWISS CHARD. Pkt., 10c.

NOBEL SPINACH. Pkt., 10c.

Swiss Chard

★**"Cut and Come Again."** **45 days.** This vegetable gives maximum returns for little care and space; it yields a constant crop from July to Winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds. Leaflet of recipes enclosed upon request. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Lucullus Swiss Chard. **About 55 days.** A new Moss Curled sort. Very large leaves. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Large White Rib **(Dark Green).** The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Fordhook. This variety resembles Lucullus, but is a darker green. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Rhubard Chard. A recent introduction having all the chard characteristics excepting color. It has dark green, heavily crumpled leaves and crimson stem and mid rib. Pkt., 25c; oz., 60c; ¼ lb., $1.65.

Kale or Borecole

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Frost improves flavor.

Dwarf Green Curled Kale. **In about 55 days.** Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sales in the north. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

Vaughan's Excelsior Moss Curled Kale. **Ready in about 55 days.** Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

Tall Green Curled. **About 60 days.** Pkt., 10c; oz., 35c; ¼ lb., $1.00.

Siberian. **In 65 days.** Plant dwarf, spreading and very hardy. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

Spinach

SPINACH delights in cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety, listed below, is most free from this tendency. Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamin investigation.

★**Nobel Giant Thick Leaved.** **45 days.** The seed of this thick-leaved variety produces the largest spinach under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent and tender. It is an excellent home garden spinach. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Viking.** **45 days.** This 1935 All-America winner bears largest leaves of the thick-leaved type and is almost as long standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market. Pkt., 10c; oz., 20c; ¼ lb., 50c.

King of Denmark **(Antvorskov). 48 days.** In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes), compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Bloomsdale Long Standing. **45 days.** Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark), having larger, Savoy type leaves. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Bloomsdale Dark Green. **43 days.** The leaf is savoyed, or crinkled, and of a darker green than Bloomsdale Long Standing. The dark color is preferred in some markets. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Old Dominion. **40 days.** The same as Virginia-Blight-Resistant in type and quality. Will eventually take the place of Virginia because of its long standing qualities, which permit early fall planting. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Vaughan's Special. **In 43 days.** An early, smooth leaved spinach, being more upright in growth than other spinaches and nearly a long standing variety Pkt., 10c; oz., 25c; ¼ lb., 65c.

Prickly Seeded Hollandia. **43 days.** Pkt., 10c; oz., 20c; ¼ lb., 50c.

Bloomsdale or Norfolk Savoy-Leaved. (Discontinued). Use Bloomdale Dark Green or Long Standing Nobel. Pkt., 10c; oz., 20c; ¼ lb., 50c.

NEW ZEALAND SPINACH

★**New Zealand Spinach.** **Tetragonia Expansa. 60 days.** While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Plant in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

MUSTARD

Leaves useful as salad or boiled like Spinach. Matures in 30 days.

Chinese Smooth. Large, light green, smooth leaves, borne well above the ground. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Florida Broadleaf. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Giant Southern Curled. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Improved Ostrich Plume **(Fordhook).** The handsomest of the mustards. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

White London. Good for general use. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

New Fast Grower

Tendergreen. A new variety of greens, producing only a small root, but large dark green leaves having a small rib. It is ready for table or market in 21 to 25 days and will produce 8 to 9 crops a year. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

GARDEN SORREL

Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but should be divided every four years. Pkt., 15c; oz., 75c.

TAMPALA

A Chinese plant used for greens which grows and bears all summer. Pkt., 15c; 2 for 25c.

SQUASH

Sow 1 inch deep, in light soil, sunny location. Space bush types 3 feet apart in row, vine types in hills six feet apart, 3 plants to hill. Use summer squash at any size, delicious in baby stage.

VINE TYPE

★Acorn Improved. Specify Green or Golden. Matures in about 58 days. In size equals a cocoanut, and a half, baked, serves one person amply. Our new strain is somewhat larger than the old with rounded, instead of pointed end. The shell is usually thin and it does not require over twenty minutes for baking or boiling. The color is dark green, even after picking and storing. The meat is dry and mealy. It yields enormously—a few hills furnishing an ample supply for a good sized family. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.25

BUTTERCUP SQUASH. Pkt., 10c.

★Buttercup. 100 days. Its quality has no equal. The seeds are centered in blossom end and the rest of the interior is heavy flesh. A winter keeper. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.25.

Butternut. See Novelty Page. Pkt., 35c; oz., 50c; ¼ lb., $1.50.

Sweet Potato Improved. (Delicata Resistant.) 100 days. Its vigorous vine, resistant to mosaic disease, produces fruits averaging 8 to 9 inches, 3½ to 4 inches in diameter. Cream skin is marked by green stripes; flesh thick, orange and of unsurpassed sweetness. Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb. $3.00.

"Kitchenette" (Hubbard). 110 days. Named "Kitchenette" because it is the smallest Hubbard, about 5 pounds. It is a glossy dark green. Pkt., 10c; oz., 35c; ¼ lb., 95c; lb., $2.75.

★Vaughan's Chicago Warted Hubbard. 110 days. Vaughan's Chicago Warted Hubbard Squash has been bred to the highest quality; fruits are large, skin, rough dark green, flesh, bright orange, fine grained, rich and dry. (Cucurbita Maxima.) Pkt., 10c; oz., 35c; ¼ lb., 95c.

★Blue Hubbard. 110 days. A third larger than Chicago Warted and more prolific. We believe that it is superior in yield, quality, size and keeping. The blue-gray shell is more attractive and many prefer it. Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., $2.50.

Original Hubbard. In 110 days. Not as large as Chicago Warted, but in shape and quality it is similar. Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., $2.50.

Delicious. In 110 days. Specify Green or Golden. A fall and winter variety. The fruit varies from 5 to 10 pounds each. (Cucurbita Maxima.) Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., $2.50.

Prolific Straightneck. 55 days. Excels in tenderness, color, and productiveness. Served when about 6 in. long, it is delicious. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

BUSH TYPE

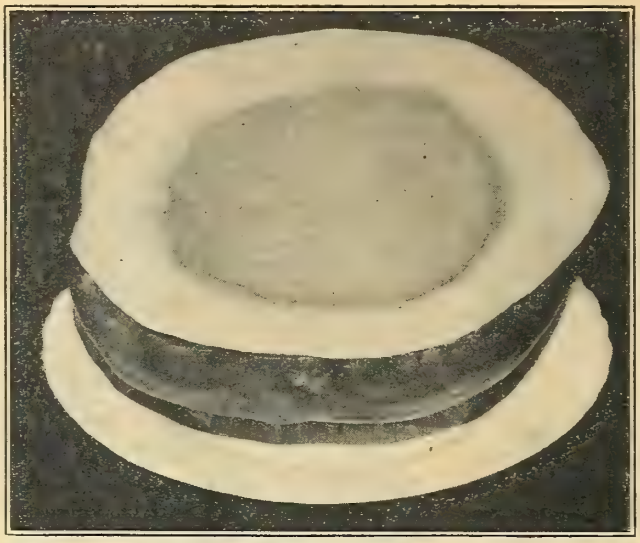
Mammoth White Bush. About 60 days. An improved selection of "Early White Bush," much larger and deeper, has fewer scallops, and is a heavier producer. (Cucurbita Pepo.) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

Early White Bush. About 55 days. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

Giant Yellow Summer Crookneck. In about 55 days. Our strain produces fruit nearly double the size of the old "Crookneck." (Cucurbita Pepo.) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

Banana Squash. In 105 days. Of sweet potato quality. 12 inches long, 6 inches in diameter. Gray-green. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.25.

Yellow Summer Crookneck. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.



IMPROVED ACORN SQUASH. Pkt., 10c.

BLUE HUBBARD SQUASH
Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., $2.50.

NEW ITALIAN MARROW, DARK GREEN STRAIN. Pkt., 10c.

VEGETABLE MARROWS

★New Italian Marrow. 60 days. (Zucchini). When matured it is 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small; if kept picked, it will continue to bear until frost. Delicious in the "baby" stage, 3 to 6 inches long.

Light Green Strain. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.25.

Dark Green Strain. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.25.

Cocozelle (Italian Vegetable Marrow). Ready in about 65 days. A bush variety. Fruits oblong, ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.25.

Zucca de Pergola. About 110 days. (Cucurbita Pepo.) Grows 3 feet in length and 3 inches in diameter. Pale green in color. Used by Italians for slicing and frying like egg plant or baking, stuffed with meats. Pkt., 15c; oz., 35c; ¼ lb., $1.00.

Vegetable Marrow. About 100 days. (Cucurbita Pepo.) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature. Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., $2.50.

Turnips

TURNIPS are cool weather plants and thrive best in Spring and Fall. For early use seed should be sown as soon as the ground can be prepared; it will give roots large enough for the table in six to ten weeks. For the Fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored.

★Purple Top White Globe. 57 days. Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good keeper. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

Purple Top Strap-Leaved. About 46 days. A table variety, fine, tender and deliciously flavored. It is broad shaped; medium size, white flesh, fine grain, splendid quality. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

Golden Ball or Orange Jelly. About 65 days. Medium size, globular table turnip. Flesh yellow, sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

Early Snowball. In 40 days. Small, white, splendid quality. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

Early White Milan. In 42 days. This can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c., lb., $1.00.

Shogoin. 30 days. A turnip used principally for greens. The root is small but the top is like mustard tops. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

PURPLE TOP WHITE GLOBE. Pkt., 10c.

Seven Top. 30 days. A variety much grown in the south for the tops, which are used as greens. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

Large Yellow or Amber Globe. In 76 days. Fine quality and sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

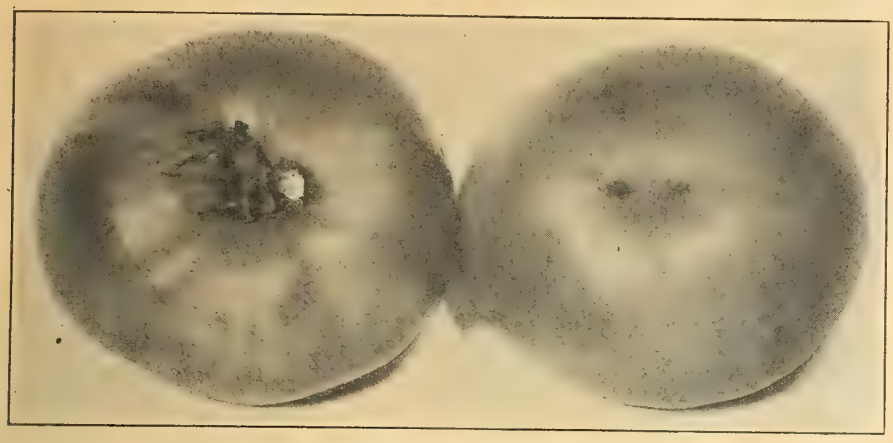
Extra Early Purple Top Milan. About 42 days. An excellent medium size turnip; white flesh. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

TURNIPS FOR STOCK

Cow Horn or Long White. In 70 days. Grows nearly half way out of the ground, carrot-shape pure white. Oz., 15c; ¼ lb., 35c; lb., $1.00.

TOMATO

Plants started six to eight weeks before are set out two weeks after frost-proof date when all danger of chill is over. Pruned plants can be grown to stakes or fence 18 inches apart; space unpruned, 2 to 4 feet apart. Plants for late varieties can be grown from seed in open, preferably not transplanted.



GIANT IMPROVED PONDEROSA. Pkt., 10c.

MAKE EVERY TOMATO FLOWER SET FRUIT

And grow **seedless** tomatoes. **Seedless-Set** Hormone spray will fertilize blossoms when first developed, insuring fruit as much as 30 days earlier in damp, cool weather when blossoms fail to fertilize normally and drop off.

Apply with any spray to flowers of tomatoes, cucumbers, peppers, egg plants. Fruits produced by blossoms sprayed are **seedless**, of premium quality. Developed by famous Boyce-Thompson Institute. Eight ounces will treat 100 plants, **$1.00**; quart, **$3.00**, postpaid; gallon, **$9.00**, by express.

THE LARGEST TOMATOES

Ponderosa—Giant Improved. Matures in about 88 days. Of the large fruited varieties, this one is most popular. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight. Tomatoes grow in beautiful clusters. Improved strain is smoother and rounder. Pkt., 10c.; ½ oz., 50c; oz., 95c.

Oxheart. Matures in about 90 days. Popular because of its shape, large size, and excellent table qualities. Not a heavy yielder but often weighs 3 lbs. Skin pink, almost seedless, firm, sweet flesh, slices well. Pkt., 15c; ½ oz., 65c; oz., $1.25.

Beauty (Purple). 82 days. Vines, vigorous and heavy bearers, fruit large, uniform; very smooth purplish pink skin; flesh light pink. Pkt., 10c; ½ oz., 40c; oz., 75c.

Crimson Cushion or Beefsteak. In about 96 days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c; ½ oz., 45c; oz., 85c.

Prodigious. 100 days. Latest development by William E. Vail, of enormous size. We recommend this as being one of the largest tomatoes produced. Pkt., 25c; ½ oz., 95c; oz., $1.75.

EARLY, SMALL VINES

Do Not Prune.

★Bounty. 60 days. Compact, small vine, not to be staked. Introduced by Dr. Harold Mattson. North Dakota Experiment Station. Excellent for the home garden, very productive. Pkt., 20c; ½ oz., 50c; oz., 90c.

Early Chatham. 85 days. Very early, rich red globe, fruits 1½x2 inches. Very prolific, vine small, about 1½ feet in diameter. Exceptionally good for northern districts. Pkt., 20c; ½ oz., 50c; oz., 90c.

★Firesteel. 62 days. A small vine, large fruited tomato that is early, smooth, red through, of semi-acid flavor. For dry seasons there is nothing equal to it. It will set fruit when other types are dropping their blossoms. Pkt., 15c; ½ oz., 40c; oz., 75c.

EARLY, LARGE VINES

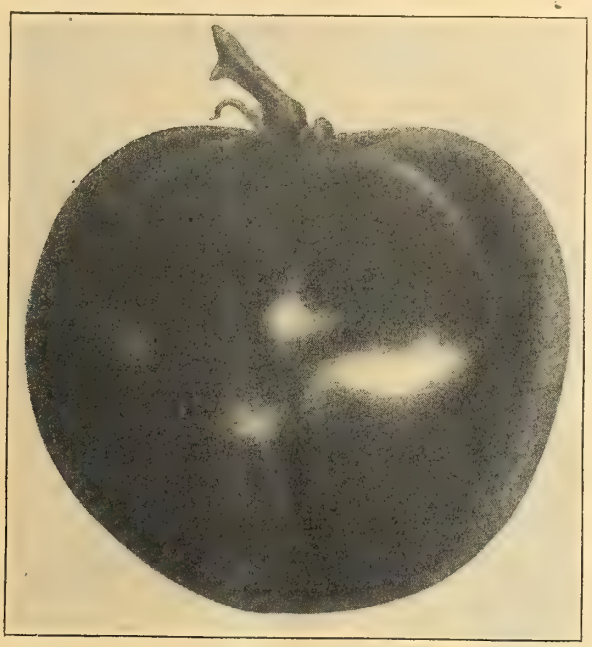
★Vaughan's Select Earliana. 66 days. Large, smooth bright red tomato. This variety is compact with stout jointed branches; the vines yield well and the fruit is of fine quality. Pkt., 10c; ½ oz., 35c; oz., 65c.

John Baer. About 70 days. Extra early red. Not quite so early as Earliana, though there is only a few days' difference. John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort. Pkt., 10c; ½ oz., 35c; oz., 65c.

Bonny Best. 74 days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 10c; ½ oz., 30c; oz., 50c.

June Pink. In 69 days. This is the earliest of the pink varieties and is similar in habit to the famous Earliana. Pkt., 10c; ½ oz., 35c; oz., 65c.

Chalk's Early Jewel. In 74 days. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.



TOMATO RUTGERS

MAIN CROP

Early Detroit (Purple). In 80 days. Bears uniform, large, handsome, smooth fruit through the long season, yielding more market than Beauty. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

New Globe. Matures in about 82 days. This ball-shaped variety yields a heavy crop. The skin is a smooth, purplish pink. Uniform fruits. Pkt., 10c; ½ oz., 40c; oz., 75c.

Greater Baltimore (Indiana Strain). In about 83 days. Similar to Stone and very productive, fruits deep scarlet red often weighing 6 ounces; smooth and very solid. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.50.

Greater Baltimore (Indiana Strain) certified. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb. $2.25.

Pepper. 80 days. This is purplish red, very smooth, medium sized, of excellent quality, with few seeds, and a sub acid flavor. The plants are dwarf but prolific. The fruits do not crack. Pkt., 25c; ¼ oz., 35c; ½ oz., 65c; oz., $1.00.

Dwarf Champion. About 86 days. Of dwarf habit and upright tree-like growth. It is of medium size, very smooth, purplish pink. Pkt., 10c; ½ oz., 35c; oz., 65c.

Improved New Stone. 86 days. Smooth skin, small core, fine-grained flesh with little acidity. Pkt., 10c; ½ oz., 25c; oz., 40c.

Dwarf Stone—The Largest Dwarf Tomato. 92 days. It resembles "Dwarf Champion," but is of stronger growth and more erect. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

Resistant Strains

★Rutgers. In 86 days. New Jersey Experiment Station cross on Marglobe. One of heaviest croppers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

Rutgers certified. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., $2.50.

★Pritchard (Scarlet Topper). 76 days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 10c; ½ oz., 40c; oz., 70c.

Pritchard certified. Pkt., 15c; ½ oz., 45c; oz., 80c.

★Marglobe. 77 days. Second-early, red-fruited variety suitable for trucking or canning. As early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

Marglobe certified. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., $1.80.

★Break O'Day. 70 days. Developed by F. J. Pritchard, of Washington, D. C. A new wilt-resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Used whole for salads or stuffed. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

Early Baltimore. 73 days. Illinois University selection, thriving on all soils. Pkt., 15c; ½ oz., 30c; oz., 55c; ¼ lb., $1.60.

Early Baltimore certified. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., $2.50.

YELLOW TOMATOES

Orange King. 66 days. A small vine variety of true orange flesh and skin, not suitable for staking. It bears smooth fruits of medium size, thick flesh and mild flavor. Seed scarce. Pkt., 15c; ½ oz., 65c; oz., $1.00.

Jubilee. 90 days. Won bronze medal, 1943, All America trials. Pkt., 25c. See Novelty Page.

SMALL FRUITED TOMATOES

Very Desirable for Pickles and Preserves. Mature in about 73 days.

Dwarf Pear. 73 days. Improved type. Pkt., 15c; ½ oz., 40c; oz., 75c.

Any of the following, pkt., 10c; ½ oz., 40c; oz., 75c.

Red Currant. Very small.

Red Cherry. Small fruit, bright scarlet.

Two Peach Tomatoes. Red or yellow.

Yellow Plum and Red Plum. Fruit 2 inches.

Yellow Pear and Red Pear. Distinct shape.

Ground Cherry, Husk or Strawberry. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and making pies.

Italian Canner. 75 days. A very productive, long plum-shaped tomato. It is firm, not having any hollow parts, and the walls are exceptionally thick. Pkt., 15c; ½ oz., 60c; oz., $1.00.

GREENHOUSE TOMATOES

Bonny Best. Red. The most popular American variety, for forcing. Forcing strain.

Long Calyx. Red.

New Globe. Pink.

Michigan State Forcing. Red.

Waltham.

Any of above, pkt., 25c.

Herb Plants

To insure an early crop of essential seasoning herbs we recommend the purchase of plants. Three plants of a variety will usually be sufficient for family needs.

Herb plants, herb vinegars, herbal jellies and tisanes, or herbal teas, are shipped direct from our plant in Wisconsin.

Plants in small lots are shipped by parcel post, but in lots of 25 or more are shipped by express at buyer's expense.

All vinegars, jellies and tisanes in glass jars are shipped by express at buyer's expense.

No C.O.D. shipments can be made of any of these items.

The following Herb Plants will not be sold less than three or more of a kind except where ten or more are ordered.

ANNUAL VARIETIES

Ready May 1. 3 of one kind, $1.00 prepaid; in lots of 25 or more, any varieties, 20c each by express collect.

Sweet Basil, Lemon Scented Basil, Holy Basil, Bush Basil, French or Soup Celery, Celeriac, Chervil, Florence Fennel, Garlic Plants, Parsley, Summer Savory.

PERENNIAL VARIETIES

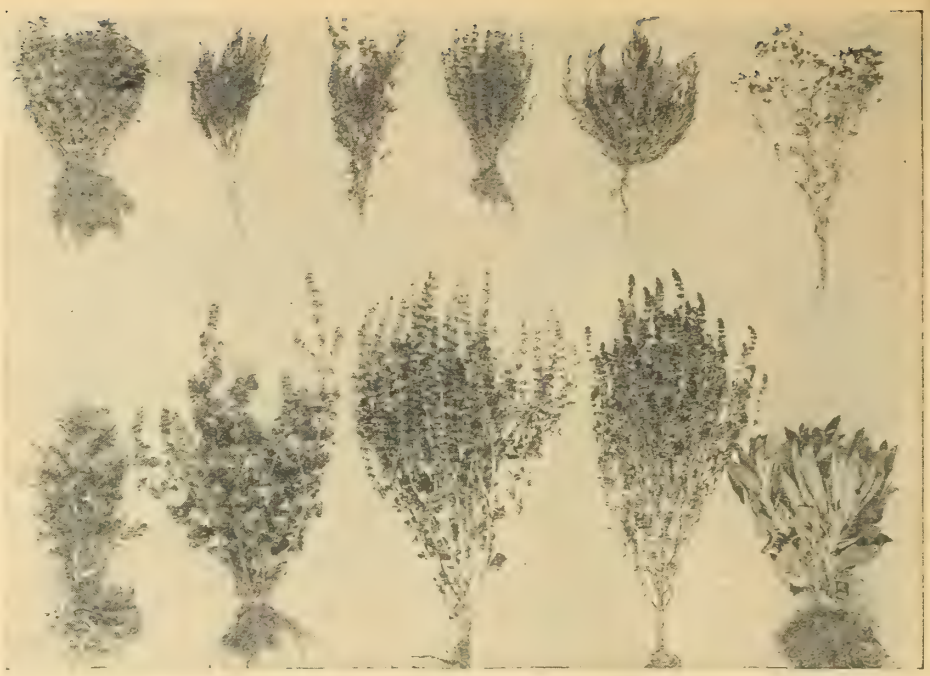
Ready May 1. 3 of one kind, prepaid, $1.10; in lots of 25 or more, any varieties, 25c each by express collect.

Agrimony, Burnet, Roman Chamomile, Chicory, Chives, Coltsfoot, Comfrey, Costmary, Camphor Balsam, Elecampane, Germander, Wild Ginger, Horehound, Horseradish Hyssop, Blue, Pink or White. Lavender, Lavender Cotton, Lovage, Pot Marjoram, Applemint Bergamot, Curly Mint, Spearmint, Round Leaved Mint, Catnip, Pineapplemint, Peppermint, Japanese Peppermint, Oregano, Rampion, Rue, Sage, Wide Leaved English Sage, Winter Savory, Dwarf Winter Savory, Skirret, Sorrel, Southernwood, Dwarf Southernwood, Tansy, Kitchen Thyme, Caraway Thyme, Lemon Thyme, Woodruff.

SCENTED VARIETIES

Ready May 1. 3 of a kind, $1.25 prepaid.

Fair Ellen, Lavender, Lemon Verbena, Pineapple, Scented Salvia, True Tarragon, Balm Scented Pelargonium, Camphor Scented Pelargonium, Lemon Scented, Lime Scented, Lemon Scented Prince Rupert, Citrus Scented, Mint Scented, Nutmeg Scented, Pine Scented, Lady Taylor, Pheasant's Foot Rose, Geranium, Skeleton Rose Scented, Oak Leaved, Giant Oak Leaved.



Sweet Marjoram Rue | Caraway Catnip | Coriander | Thyme Sweet Basil | Rosemary Summer Savory | Anise Sage

Plants for Your Herb Garden

Ten Annual Herb Plants, Your Choice, by Express, at Buyer's Expense, for $2.50.
Ten Perennial Herb Plants, Your Choice, by Express, at Buyer's Expense, for $3.00.

MIXTURE OF ANNUAL HERB SEEDS FOR 15c.

This is intended to meet the needs of those who want to grow a row or bed of herbs without sowing a full packet of each variety. It will contain all available varities of useful annual herbs. Sow in a nursery row, or seed box and transplant to a row or border in the Victory garden.

MIXTURE OF PERENNIAL HERB SEEDS FOR 15c.

For small gardens, this will give enough plants of assorted varieties to supply the family needs, without the expense of purchasing a packet of each. Sow in a nursery row and transplant in the fall to a permanent location.

Anise. Used for garnishing, seasoning and for cordials. Pkt., 10c; ½ oz., 30c; oz., 50c.

Basil, Sweet. The leaves are used for flavoring soups and stews. Pkt., 10c; ½ oz., 35c; oz., 65c.

Borage. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; ½ oz., 40c; oz., 75c.

Caraway. Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 10c; ½ oz., 30c; oz., 50c.

***Catnip.** Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 10c; ½ oz., 70c; oz., $1.35.

***Chamomile (Anthemis Nobilis).** The dried flowers possess medicinal value. Pkt., 20c.

***Chives.** Member of the onion family used for flavoring. Pkt., 25c; ½ oz., 50c; oz., 90c.

Coriander. The seeds are used for flavoring. Pkt., 10c; ½ oz., 30c; oz., 50c.

Dill. Leaves are used in pickles and for flavoring soups and sauces Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

***Fennel.** The leaves boiled are used in fish sauces and are excellent for garnishing. The seeds are used for flavoring. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.35.

***Horehound.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt. 25c.

***Lavender.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are fragrant. There are two kinds.

***Lavender Vera or True.** The best. Pkt., 25c. ¼ oz., $1.00.

***Lavender Spica.** Not quite so strong as Vera. Pkt., 10c; ½ oz., 35c.

Saffron. Used for coloring dishes, also flavoring. Pkt., 10c; ½ oz., 30c.

Summer Savory. The leaves and young shoots are used for flavoring. Pkt., 10c; ½ oz., 30c; oz., 50c.

Sage, English Broad Leaf. Pkt., 25c; ½ oz., $1.00; oz., $1.90.

***Thyme.** Used for seasoning; a tea is also made for nervous headache. Pkt., 25c.

Herb Vinegars, Jellies, Teas

Minimum Order, 2 Jars; All Shipped by Express Collect

Sampler Box of Dried Herbs, $1.25

Liberal amounts of the following, each in a glassine envelope, including: Basil, Lovage, Mint, Sage, Tarragon, Thyme, Poultry Seasoning, Fish Herbs, Omelet Herbs, Salad Herbs, Meat Herbs and Tomato Herbs.

Magic Box of 4 jars, your selection, $1.25; 6 jars, $1.75.

HERB VINEGARS

After fresh herbs have been infused in vinegar many weeks, vinegars are strained, filtered, and sealed in attractive glass jugs. A handy way to add these flavors to salad dressings, sauces, meats, pickles, etc.

Basil—A spicy flavor.
Burnet—Delicate cucumber flavor.
Chives—Where a delicate onion-like flavor is desired.
Dill—Strong dill flavor.
Fennel—Anise-like flavor.
Garlic—A handy way to add a suggestion of this flavor.
Mint—A basis for mint sauces; useful in many ways.
Tarragon—Much used in fine cookery.
Mixed Herb Vinegar—A careful blend of seven herbs, useful for many purposes.

Two glass jugs of any of the above, each holding about 4 oz. for 75c.

Boxed collection of four 4-oz. jugs, your selection of above, per box, $1.50.

PIQUANT HERBAL JELLIES

Jaded appetites are tempted with jellies flavored with various herbs; and they make delicious and attractive accompaniments to the meat course. We have prepared six of these.

Sage and Cider—For poultry and pork.
Thyme and Grape—For beef and ham.
Marjoram and Lemon—For pork, beef or poultry.
Savory and Grapefruit—For lamb, duck and sausages.
Mint and Honey—For veal, lamb and turkey.
Rose, Geranium and Orange.

Two glass jars of any of the above, containing 3 oz. each for 75c.

Box of four jars, your choice, $1.50.
Box of six jars, your choice, $2.00.

TISANES OR HERBAL TEAS

Herb Teas in general are made by pouring boiling water over the dried herb (about one teaspoonful to each cup of water), allow to steep about ten minutes, strain. Serve plain or with lemon or honey. Milk and cream are taboo. A porcelain container, and not metal, is used as in making other teas.

Chamomile—Well known for its delightfully soothing quality.
Peppermint and Lemon Verbena—Delightful lemon flavor.
Mint—Very refreshing with slice of lemon, served hot or cold.
Alfalfa and Peppermint.
Linden Blossom.
Sage.

Two jars of the above, your selection for 75c.

Quality Perfumes
ALL AMERICAN

Thousands who, prior to the war, used imported perfumes, have turned to Vaughan's True Floral odors during the last three years, and found them fully equal to imported kinds in quality.

Our policy of aging all perfumes at least two years, has enabled us to maintain a full selection in spite of war-time shortages of fine materials.

If your favorite imported brand is not now available, we suggest your critical examination of the following French type blends: Bouquet S, Bouquet X, Hawaiian Lei, Zanzibar, Calcutta, Song of the Heart and Victoria Regina.

All our perfumes and colognes are made with traditional cologne-spirits alcohol; we do not use isopropyl alcohol or other substitutes.

The Following Odors Are Available in Either Cologne or Perfume

Cologne is about one-eighth the strength of perfumes (about double the strength of ordinary toilet water).

PRICES

Size	Perfume	Size	Cologne
1 dram	$0.78	1 oz.	$0.60
2 drams	1.50	4 oz.	1.50
½ oz.	2.70	½ pint	2.82
1 oz.	4.80	1 pint	5.40

These prices are prepaid. Do not add Federal Excise tax: Above prices include the tax.

Appleblossom: Soft, yet fresh and clean.

Bouquet S: A delicately feminine blend of rich floral oils that in France and America is accepted as the leading type of odor in the better shops.

Bouquet X: Another blend, slightly "drier" and less sweet. An exotic fragrance preferred by women accustomed to the better French perfumes.

Carnation: Many acknowledge it as the best recreation of this beloved old favorite.

Forest Breeze: A smoky, piney fragrance—the scent of a pine forest on an autumn day.

Gardenia: Not sweet like so many "Gardenia" perfumes—a rich, intense odor.

Geranium: Like a crushed leaf of the green plant.

Hawaiian Lei: A lovely blend of exotic tropical flowers.

Heather: A rich "smoky" or "peaty" fragrance that goes well with sport clothes.

Lavender: The well-known English type, not sweet or "musky" like so many near-lavenders.

Lily of the Valley: At last, a satisfactory reproduction of this elusive scent.

Magnolia: The veritable fragrance of the Southern Magnolia—rich and lush.

Parma Violet: The full richness of this amous old time luxury perfume.

Red Rose: The Damask Rose type.

Sweet Pea: The true fragrance of the original Spencer sweet pea.

Violet: The English violet, softer than the Parma type.

Wild Rose: Like the breeze through a Sweet Briar hedge in June.

Zanzibar: Like a clipper ship laden with rare Oriental woods and the spices of the Indies.

"Personalized Perfumes"

Cost of Perfume Federal Tax Included

Dram.....$1.80 Ounce.....$12.00

We take pleasure in offering this group of highly individual, specially blended odors, which while not exactly matching the perfume of particular flowers, do express the enchanting fragrance of gardens and woodlands.

Calcutta: The oil from which this perfume was made was intended originally for introduction at $75.00 an ounce.

The fragrance is that of the rich, opulent bouquets for which the French are famous, yet it is so dry and woodsy that it is not cloying. Outstanding.

Victoria Regina: Based on the formula for the consecrated oil used in anointing Queen Victoria at her coronation. Rich and fragrant. Not for the ingenue.

Song of the Heart: A dry, woodsy fragrance with no trace of sweetness, yet definitely not heavy. A perfume of unusual distinction.

PERFUME SAMPLER

1/8 dram each of 10 favorites Postpaid, $1.20 Tax Included

An attractive gift, or a practical way of testing our perfumes, and selecting the odor which you prefer. Each sample is enough for several applications.

COLOGNE SAMPLER

½ oz. each of six most popular odors Postpaid, $1.25 Tax Included

This would be a welcome gift to girls of 'teen age or older. Above samplers are prepacked with our selection of fragrances.

Two Hardy Water Lilies.. $2.75

Prepaid 600 Miles, Value $3.70

One each of Paul Hariot (Sunset Coloring) and Pink Opal (deepest pure pink). The most satisfactory varieties among the hardies.

This group requires less heat and will bloom earlier in spring. Can be carried over winter by the amateur with some protection. While flowers are smaller, they are borne over a longer season than the Tropicals. Most satisfactory for the average gardener.

For prepaid delivery add 10c each to hardy varieties. Tropicals can only be shipped via express collect.

HARDY WATER LILIES

Attraction. Garnet red with ruby shading. Finest red. $3.00.

Chromatella. Pure canary yellow. Very vigorous and free flowering. $1.75.

Escarboucle. Brightest crimson and scarlet. Very striking. $2.50.

Gloriosa. Deep carmine rose. Free and vigorous. $2.50.

Gonnere. A pure white snowball with over 80 petals. $2.50.

Hermine. A star-shaped white of clear, luminous texture. $1.85.

James Brydon. Rosy crimson, small growth. Good for tubs. $2.25.

Paul Hariot. Opens soft, clear yellow, deepens to apricot. $1.85.

Pink Opal. Although new, so vigorous that the price is low. Deepest pink of great beauty. $1.85.

Sioux. LARGEST of the sunset tints. Opens brassy yellow, deepens to blood red. $1.95.

Sunrise. Huge yellow borne above water like a tropical. $3.00.

WATER LILY, MRS. W. R. JAMES

TWO TROPICAL WATER LILIES $3.85

Prepaid 600 miles. Catalogue Value $5.00
One each Blue Beauty and Pink Pearl

TROPICAL WATER LILIES

Set out after June 1st in vicinity of Chicago. By August 1st will be in full bloom. Must have warm water and full exposure to sun. All are day bloomers, except Missouri and Juno.

August Koch. Medium sized lovely lavender flowers. Free flowering. $2.50.

Frances Griffith. Outstanding royal purple. Best of its color. $2.75.

Mrs. W. R. James. A finer pink than Pershing. Huge flowers. $2.50.

Blue Beauty. Huge sky-blue. Most vigorous. $2.50.

Mrs. George Pring. Star-shaped white flowers, free-blooming. $2.50.

Missouri. Huge white flowers open at night. $2.75.

Juno. White. Freer night bloomer than Missouri. $2.75.

Pink Pearl. Brightest pink of lovely form. $2.50.

New and Standard Giant Dahlias

SEMI-CACTUS TYPE

OUTSTANDING DAHLIAS

The following can be supplied in tubers only.

A. G. Goodacre. (F. D.) Lemon yellow, tipped white. Blooms average 9 to 10 inches, on long straight stems. Early and profuse bloomer, with insect-resisting foliage. Each, $1.00; 3 for $2.70.

Alice May. (I. D.) Pure waxy white with artistic formation. Described as a white Lord of Autumn. The blooms are large and of great depth. Stems, foliage and substance are excellent. The low growing plants produce many fine exhibition blooms. Each, $1.00; 3 for $2.70.

All American. (S. C.) Mulberry rose suffused salmon with wax yellow at base of petals. Plants are medium in height, very vigorous and insect resistant. Blooms are held on strong straight stems and borne freely. On the show tables it is almost in a class by itself. Each, $2.00.

American Victory. (F. D.) An even tone of rich ox-blood red that does not fade. Plant is strong and easy to grow. Clean medium-sized foliage and good stem. Has two Achievement Medals. Each, $1.50.

Blue Moon. (F. D.) Lavender shading to lilac-purple at base giving the general effect of being blue. Strong stems. Heavy foliage. Another mammoth size dahlia. Each, $1.25.

Cheer Leader. (F. D.) Self-color of rose pink with long strong stems. Unexcelled as a cut flower. Large and deep flower. Each, $1.25.

Cherokee Brave. (I. D.) Ox-blood red that holds its color in the sun. Long stiff stems. Strong grower with heavy foliage. Each, $1.00; 3 for $2.70.

Class. (F. D.) One of the largest sulphur yellow formal to date. Grown up to 15 inches; petals fall back toward stem when fully open. Rugged bush with strong stems. Each, $1.50.

Col. A. G. Rudd. (I. D.) Rich carmine with deeper mahogany red at center. It can be grown eleven to twelve inches in diameter by seven inches in depth. Strong grower with heavy stems. A real factor in the red classes. Each, $3.00.

Darcy Sainsbury. (F. D.) Its large size and pure white color makes it a standout in the garden. A good grower, free bloomer and fairly tall bushes. Each, $1.00; 3 for $2.70.

Eventide. (I. D.) True purplish shadings. Its unusual production of big blooms, most excellent stem and vigorous habit of growth, good substance of bloom make it one of the best. Each $1.50.

Gertrude Lawrence. (I. D.) Color is best described as a current red. Blooms are very large. Long jointed stems hold the bright flowers well above the foliage. Perfect stems and rugged plant growth. Each, $1.00; 3 for $2.70.

Kentucky Sportsman. (I. D.) Color, gold, shading to apricot-yellow and then to a distinct orange, ending with white tips. Each, $1.00; 3 for $2.70.

Lois Walcher. (F. D.) Color, deep amaranth purple that breaks sharply into pure white. The stems are ideal. The healthy bush is an early and prolific bloomer. Each, $1.00; 3 for $2.70.

Maffie. (S. C.) Massive blooms of an intense red that does not fade or burn. A clean, strong-growing plant with insect-resistant foliage. The giant blooms are held erect on long and strong stems. Winner of many honors as the "biggest and best" variety. Each, $2.50.

Marie. (F. D.) A true pink of vigoruos habit and a big root maker. Blooms 5 to 6 inches. Useful for cutting and one of the best garden dahlias. Each, $1.00; 3 for $2.70.

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply **Tubers** of proper planting size on all varieties listed.

KEY TO ABBREVIATIONS: **F. D., Formal Decorative; I. D., Informal Decorative; S. C., Semi-Cactus; Str. C., Straight Cactus; Inc. C., Incurved Cactus.**

KEEPING CUT DAHLIAS

After cutting, strip the foliage except at the top; recut the stem and immerse in water as hot as the hand can bear, being sure that none of the foliage gets in the water. When the water cools the Dahlias are transferred to a pail of cold water and left in the cellar over night. We have found that they keep several days and increase in size.

OUTSTANDING DAHLIAS—Continued.

Mary Taylor. (Inc. C.) Grenadine pink with lemon yellow center. A bright, clear flower with perfect form and unusually good stems. Achievement Medal winner and an Honor Roll dahlia. Each, $1.00; 3 for $2.70.

Mayor Frank Otis. Soft, rich golden yellow with just a touch of copper shading. A vigorous grower, free bloomer and has a fine stem. Large blooms unusually broad and deep with artistic petal formations. Each, $1.00; 3 for $2.70.

Miss Oakland. Pure white. Perfect habit of growth, free flowering; unexcelled for cut flower or exhibition. Each, $1.00; 3 for $2.70.

Mrs. James Albin. (F. D.) A soft pleasing yellow with fine formal blooms carried on straight stiff stems. The plant is 4 to 5 feet high, has a clean sturdy growth and branches freely, making it easy to cut the blooms with long stems. It also has exceptional keeping qualities. Received the Certificate of Merit of the American Dahlia Society. Each, $1.00; 3 for $2.70.

Monarch. (F. D.) Ox-blood red that holds its color well in hot weather. Strong grower with heavy foliage. Large blooms on strong stems. An outstanding 1943 variety. Each, $2.50.

Monarch of the East. It is a big, bold bloom, a real giant in the dahlia world. Its color is a golden bronze with a coral red reverse. Each, $1.00; 3 for $2.70.

Murphy's Masterpiece. (I. D.) A dark red shading toward garnet, it will withstand sun without fading. The plant is a strong grower and producer of large blooms. Each, $1.00; 3 for $2.70.

Pink Giant. (I. D.) Tyrian pink. This brightest of pink tones has long been lacking in a good dahlia. Long erect stems hold flowers facing and slightly elevated. Strong rugged bushes with heavy stems. Each, $1.00; 3 for $2.70.

Premier Winsome. (I. D.) Beautiful mallow pink with lighter shadings, with all the good qualities a dahlia should have. Giving an abundance of large blooms on strong stems. Each, $1.25.

Radiant Beauty. (I. D.) Bi-color. Yellow background with vivid scarlet markings. The blooms are very large and can easily be grown 12 inches and over. Each, $1.50.

Rhythm. (Inc. C.) Cameo or shrimp pink with suffusion of soft rose with lemon shadings at the base of the petals and center of the flower make it most unusual. One of the best 1943 dahlias. Be sure to grow this new pink creation. Each, $4.50.

Rita Wells. (I. D.) Color is buff and gold with tints of grenadine pink. Producing large blooms with great depth gives the blooms a massiveness which never failed to stop visitors. Good grower with long strong stems. Each, $1.25.

Snowcrest. (Inc. C.) A pure white of medium size blooms with fine form. A free bloomer and good keeper. Good clean grower and exceptionally fine foliage. Winner of many prizes. Each, $2.00.

Son of Satan. (S. C.) One of the largest and brightest of its type. Bright scarlet blooms on excellent stems. Blooms up to 12 inches in diameter. A sensation in any garden, and a winner in any show. Each, $1.00; 3 for $2.70.

Sunrays. (I. D.) Clear buff with apricot suffusion, with a distinct peach-red reverse, strong sturdy grower. A prize winner. Each, $1.00; 3 for $2.70.

The Governor. (F. D.) A large bright sulphur yellow which is definitely a formal. Early to bloom, it gives a wealth of flowers until frost. One of the leading winners in its class. Strong grower with good stems. Each, $1.25.

The Real Glory. (F. D.) Pure waxy white of large size notable for its exceptional substance and good keeping qualities. The flowers are well formed and are carried on strong perfect stems. A strong grower with heavy foliage. It is a real competitor in the formal classes. We consider it the best and largest white. Each, $2.25.

Thomas A. Edison. A royal purple with a brilliant rich finish. Each, $1.00; 3 for $2.70.

OUTSTANDING DAHLIAS—Continued.

Tops. (I. D.) An outstanding yellow. The massive blooms are carried on strong stems. A strong grower with good foliage. Has won many awards as the largest bloom in the show. Each, $2.00

Verginia Rute. (I. D.) Rich oxblood red shaded garnet on edge of petals. Blooms have full center. The long strong stems hold the large flowers high above the foliage. Each, $1.25.

Victory. (F. D.) Color rose-pink with a golden suffusion. Excellent keeping qualities. Fine stems and insect proof foliage. Bush is vigorous and free branching. Winner of many Blue Ribbons at leading shows. Each, $1.50.

Vin Well Paragon. (F. D.) Light rose pink toward the tips with amber yellow at base of petals. Blooms facing on fine long slender stems. The plant has fine branching habits and the foliage is insect resisting. Each, $3.00.

White Knight. (S. C.) Large pure white with artistic formation. Strong stems carry the large blooms facing. Strong grower. Each, $1.25.

Your Lucky Star. (S. C.) The centers are white and the outer half is a distinct clear lavender. Very large well-formed flowers of unusual beauty. Good grower with fine stem. Each, $1.00; 3 for $2.70.

Special Offer. (No. 82). One tuber each A. G. Goodacre, Alice May, Blue Moon, Maffie and Verginia Rute for $5.20. Postpaid to 5th Zone.

Special Offer. (No. 82A). One tuber each Lois Walcher, Cheer Leader, Monarch of the East, Son of Satan and The Governor for $4.40. Postpaid to 5th Zone.

Special Offer. (No. 82B). One tuber each Cherokee Brave, Darcy Sainsbury, Gertrude Lawrence, Mrs. James Albin and Your Lucky Star for $4.00. Postpaid to 5th Zone.

FORMAL DECORATIVE

TUBERS ONLY

Avalon. Pure, clear yellow with large flowers. Each, 50c; 3 for $1.25.

Buckeye Bride. A geranium-pink, a rare and beautiful shade. The flower is large, held at a correct angle on the stem. Each, 75c; 3 for $2.00.

Clara Carder. A large cyclamen pink with a flush of yellow at the base. In a color class by itself. Each, 75c; 3 for $2.00.

Florist White. Pure white, fine shaped flowers with long, stiff stems. Good grower. Each, 50c; 3 for $1.25.

Gallant Fox. A brilliant red. Its keeping qualities, sturdy stem and fine color make it a valuable sort. Each, 50c; 3 for $1.25.

Jersey's Beauty. It is still in a class by itself. A perfect bloom of eosine pink, carried high on wiry stem. Each, 50c; 3 for $1.25.

King of the Blacks. Darkest rich velvet red, almost black. Compact, vigorous. Each, 75c; 3 for $2.00.

King Peter. (F. D.) Delicate coloring of white and pink. Perfect stems and keeping quality. Blooms uniform and interesting. A fine variety for the blended color class. Each, 75c; 3 for $2.00.

Mrs. Ide Ver Warner. A refined, mauve-pink, beautifully formed. Large blooms carried on long, strong wiry stems. Each, 50c; 3 for $1.25.

Negus. Oxblood red to almost black in center. Good size blooms held erect on strong stems. A strong robust plant with fine insect-resisting foliage. Each, 75c; 3 for $2.00.

Oakleigh Monarch. A clear, brilliant cerise red. Very large blooms of great depth which keep well when cut. Strong grower. Each, 75c; 3 for $2.00.

Omar Khayyam. A Chinese red at the base of petals, shading to a bright orange with paler tips, giving a soft effect. Each, 50c; 3 for $1.25.

Queen City. Scarlet pink or light cherry red. A cut flower variety outstanding in color, and is very attractive, keeping well when cut. From July it produces flowers until frost. Strong grower with good stems. Each, 50c; 3 for $1.25.

Rose Glory. Pure deep rose-pink. Free and early bloomer. Strong grower with long straight stems. Medium height. Each, 50c; 3 for $1.25.

Sultan of Hillcrest. Color, strontian yellow with sunrise yellow reverse. The bush habits and foliage are perfect. Each, 75c; 3 for $2.00.

White King. A pure white, large flowering. Free flowering on long stems. Each, 50c; 3 for $1.25.

White Wonder. The giant blooms are pure white with long twisted and curled petals. Foliage thick, leather-like. Each, 75c; 3 for $2.00.

Special Offer. (No. 82C). One tuber each Clara Carder, Florist White, King of the Blacks, Oakleigh Monarch and Sultan of Hillcrest for $2.80. Postpaid to 5th Zone.

Special Offer. (No. 82D). One tuber each Avalon, Gallant Fox, Jersey's Beauty, Mrs. Ide Ver Warner, Omar Khayyam, Rose Glory and White Wonder for $2.50. Postpaid to 5th Zone.

INFORMAL DECORATIVE

TUBERS ONLY

California Idol. A giant clear yellow that can win in any class in which it may be entered. It is a splendid grower. Each, 75c; 3 for $2.00.

Hunt's Velvet Wonder. Color is a rich violet purple. The huge blooms can be grown to immense size. Each, 75c; 3 for $2.00.

Jane Cowl. A large flower of warm buff and old gold, blending to a bright salmon at the center. Each, 50c; 3 for $1.25.

Jersey's Beacon. The color is Chinese-scarlet with a paler reverse, giving a two-toned effect. Each, 50c; 3 for $1.25.

Mrs. Geo. Le Boutillier. A rich velvety carmine, giant in size and outstanding in all respects. A healthy, vigorous grower. Each, 75c; 3 for $2.00.

Special Offer. (No. 83). One tuber each of the above five varieties for $2.60. Postpaid to 5th Zone.

POMPON DAHLIAS

Under this head come those small Bouquet Dahlias that are so popular for cut flowers.

Amber Queen. Solid amber color and a beautiful shade. Prolific bloomer. Each, 40c; 3 for $1.00.

Bronze Beauty. Gold apricot. Fine cut flower variety. Each, 40c; 3 for $1.00.

Catherine. Bright yellow. Good form and stem. Each, 50c; 3 for $1.25.

Edith Mueller. A bright soft apricot suffused peach red. Each, 40c; 3 for $1.00.

Little Herman. Deep red, tipped white; very free. Each, 40c; 3 for $1.00.

Mary Munns. Fuchsia with dark orchid sheen. Each, 40c; 3 for $1.00.

Morning Mist. A pale lavender. Very free bloomer with fine long stems. Each, 40c; 3 for $1.00.

Rosa Wilmoth. Small, fine formed rose-pink. Each, 40c; 3 for $1.00.

Sherry. A deep purple which is nearly round and very attractive. Each, 40c; 3 for $1.00.

Snowclad. The best pure white pompon. Each, 40c; 3 for $1.00.

Vivid. Bright scarlet; very fine. Each, 40c; 3 for $1.00.

Special Offer. (No. 83B). One tuber each Catherine, Edith Mueller, Mary Munns, Morning Mist, Snowclad and Vivid for $2.00. Postpaid to 5th Zone.

Special Offer. (No. 83C). One tuber Amber Queen, Bronze Beauty, Little Herman, Rosa Wilmoth and Sherry for $1.60. Postpaid to 5th Zone.

MINIATURE DAHLIA

TUBERS ONLY

These small type Dahlias have become popular owing to their usefulness. Can be planted in garden, border or beds fairly close, about 20 to 24 inches apart. Their freedom of bloom and keeping a long time when cut make them ideal for arrangements.

Audries Orange. (S. C.) A bright orange. One of the finest miniatures. Very neat in appearance and excellent for exhibition. Each, 75c; 3 for $2.00.

Baby Royal. (S. C.) One of the finest miniatures of salmon-pink shaded apricot. A good cut flower. Each, 40c; 3 for $1.00.

Bishop of Llandoff. (Duplex.) Brilliant rich red blooms, in contrast to the dark bronze-black foliage, make it outstanding. Each, 50c; 3 for $1.25.

Buckeye Baby. (F. D.) Gold buff lightly shaded red on the reverse. Each, 50c; 3 for $1.25.

Dubonnett. (S. C.) A rich deep oxblood red that does not fade or burn. Each, 50c; 3 for $1.25.

Fairy. (F. D.) Described as a miniature Jersey's Beauty, but lighter in color. A violet-rose shading mauve at tips. Each, 40c; 3 for $1.00.

Little Red Bird. (F. D.) Bright cardinal red. Best red florist and garden miniature to date. Each, 50c; 3 for $1.25.

Princess Alba. (F. D.) A miniature that sets a new high standard in the white class. The plants are tall and of excellent growing habit producing quantities of perfectly formed blooms on fine stems. Each, 50c; 3 for $1.25.

Snowsprite. (S. C.) Glistening snow white in color with perfect stems and artistic form. Good dependable variety. Each, 50c; 3 for $1.25.

Sylvia. Rich deep carmine. A dahlia that grows well, blooms profusely and keeps well. Each, 40c; 3 for $1.00.

Special Offer. (No. 83D). One tuber each Audries Orange, Bishop of Llandorf, Dubonnett, Fairy and Snowsprite for $2.10. Postpaid to 5th Zone.

Special Offer. (No. 83E). One tuber each Baby Royal, Buckeye Baby, Little Red Bird, Princess Alba and Sylvia for $1.80. Postpaid to 5th Zone.

The Pocket Book of Flower Gardening

Complete instructions for growing all kinds of flowers and their correct use in the garden are given in 480 pages, with 98 illustrations, by Montague Free, Horticulturist, Brooklyn Botanic Garden. Price 25c; postpaid for 30c.

MINIATURE AND POMPON DAHLIAS.

SEMI-CACTUS

TUBERS ONLY

Jean Trimbee. Color of richest deep petunia violet, of immense size, borne well above the foliage on stiff rigid stems. Each, 75c; 3 for $2.00.

Jersey's Dainty. A fine formed white of medium size with fine stems. A good exhibition and cut flower. Each, 75c; 3 for $2.00.

Josephine G. A beautiful, true rose-pink flower with petals tipped yellow. Each, 50c; 3 for $1.25.

Special Offer. (No. 83A). One tuber each of the above three varieties for $1.60. Postpaid to 5th Zone.

100 Strawberry Plants, $3.00

Special Offer No. 106S. A Strawberry collection, 100 fine strong plants (spring delivery only) in four good sorts, our selection, postpaid, for $3.00.

Strong Field Grown Plants, Shipped from Early Spring up to May 15

STANDARD VARIETIES

SENATOR DUNLAP. Midseason. The fruit is dark red with glossy finish. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the beginner as well as the veteran grower.

PRICE, on the above variety, 25 for $1.05; 50 for $1.75; 100 for $2.75, postpaid.

DORSETT. Early. Will undoubtedly be a leader among early, heavy cropping varieties.

FAIRFAX. Medium early. Rich in flavor, uniformly large fruit in abundance.

PRICE, on the above varieties, 25 for $1.20; 50 for $2.00; 100 for $3.25, postpaid.

ROBINSON. The new super berry. Finest flavor. Large, glossy, firm, red fruit.

PREMIER. Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper.

PRICE, on the above varieties, 25 for $1.35; 50 for $2.25; 100 for $3.60, postpaid.

EVERBEARING VARIETIES

GEM. A good medium size, heavier producing everbearing berry. Fine quality and firm everbearer. Produces during late summer months large size berries of fine appearance and flavor.

PRICE, on the above variety, 25 for $2.25; 50 for $3.75; 100 for $6.00, postpaid to 4th zone.

MASTODON. Most widely planted everbearer.

PRICE, on the above variety, 25 for $2.50; 50 for $4.35; 100 for $7.00, postpaid.

New and Popular Cannas

Cannas are becoming more popular. The new varieties with large flowers in new colors are unequalled for creating a colorful show from July till frost. They do best in full sun and respond quickly to feeding.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants, one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row.

DOROTHY S.

Hungaria. 3½ ft. Best pink Canna. Leaves bluish green, never burn. Flowers large, with big petals.

King Humbert. 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past fifteen years.

The President. 4 ft. A rich glowing scarlet on strong stalks; green foliage.

Yellow King Humbert. 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red.

PRICES OF ABOVE

DORMANT 2-3 EYE ROOTS. Available March 1 to April 15; 3 for 60c; $2.00 per doz.; $14.00 per 100.

CHOICE CANNAS

Copper Giant. 4 ft. The finest variety we know. Its giant flowers borne on strong stalks with green foliage are of a vivid hue, with great carrying power, of madder red and old rose with a suggestion of burnished copper in the mass effect. It blooms continuously throughout the season.

Dorothy S. 4 ft. A beautiful salmon red. Green foliage. Produces large flowers on very vigorous plants.

Eureka. 4 ft. Free-flowering variety with striking white flowers which first appear cream. Green foliage.

Improved Florence Vaughan. 4 ft. Rated finest of all yellows. Large lemon-yellow flowers, faint red dots, luxuriant green foliage.

PRICES OF ABOVE

DORMANT 2-3 EYE ROOTS, Available March 1 to April 15; 3 for 75c; $2.50 per doz.; $17.00 per 100. Available April 20 - June 5.

PENNISETUM CUPREUM

A fine bronze Ornamental Grass. Needs rich soil and sunny location. Plants, 3 for $1.25; doz., $3.50; 100, $22.00.

Vaughan's *New and Time-Tested* Gladioli

LEADING LADY

WHITE GOLD

CORINNE VAUGHAN

BEST OF THE NEW INTRODUCTIONS

Big Red (Vaughan). Ex. Extra strong growing blood red. Very large florets, well placed and holds open very well. Has very heavy foliage and tall spike. Each, 40c; doz., $4.00.

California (Salbach). Ex. U. S. Patent No. 359. An immense deep geranium pink almost a self color, except for a slightly deeper pink blotch in throat. Blooms are of heavy substance and slightly ruffled. Plants make vigorous growth and are tall with long flower spikes. As many as six to eight blooms open at one time. Each, 40c; doz., $4.00.

Chamouny (Baerman). Ex. An outstanding decorative variety. Rich, light cerise rose with the faintest edging of light rose; perfectly placed florets on tall slender spike, eight or more open at same time. Each, 30c; doz., $3.00.

Coral Glow (Ellis). Ex. A rather unusual shade of rich coral orange; will open six or more extra large blooms of perfect placement and heavy substance; a particularly strong growing variety. Each, 25c; doz., $2.50.

Corinne Vaughan. (Vaughan). An orchid self, with the tallest spike and largest florets yet produced in this color. It is definitely earlier than Minuet, which in our opinion, it surpasses in size and beauty. It has exceptionally large florets, well placed and facing properly. Each, 50c; doz., $5.00.

Glen Lake (Vaughan). Ex. In effect it is a lavender self paler than Minuet, with markings negligible and only in the deep throat. Stem is tall and strong, florets faced well and overlapping, six to eight open at once. It is earlier than Minuet, opens better, is a far better propagator. This is a fine, tall growing variety for the garden, but of exceptional value for cut flower arrangements, both for room decoration and for the costume. Each, 40c; doz., $4.00.

Harvest Moon (Jack). Ex. Large clear medium yellow shading somewhat deeper toward the center. Tall straight spike. One of the best all around yellow. Each, 50c; doz., $5.00.

Helen of Troy (Salbach). (Patented) Ex. A truly magnificent flower; in color a lively peach-toned apricot with soft carmine throat markings; seven or more giant sized blooms on strong stiff spikes. A real "champion." Each, 40c; doz., $4.00.

King of Hearts (Salbach). Ex. (Picardy X Grand Opera.) U. S. Patent No. 360. The individual florets consistently measure from 8 to 8½ inches in diameter. The plants are tall, make a vigorous growth, with deep green foliage, and carry a flower spike 2½ feet long. Six to 7 well spaced blooms open at one time with 10 to 11 unopened buds. Light coral red with light carmine red line in throat. Each, 40c; doz., $4.00.

Leading Lady (Johnston). Ex. A white sport of Picardy. Just like Picardy except that it is a beautiful cream white with canary yellow throat. Each, 75c; doz., $7.50.

Marguerite (Pommert). Ex. Makes a massive spike of deep watermelon pink, with cream throat. Tall spike with unusually long flower-head. Its exceptional lasting qualities make it a good cut flower. Each, 40c; doz., $4.00.

Mother Kadel (Kadel). Dec. Clear medium yellow with no markings. Well placed blooms. Tall spike. One of the best of the newer yellows. Each, 75c; doz., $7.50.

Oregon State (Bones). Ex. Salmon-pink with cream throat. Remarkably good substance, standing in good condition two days longer than Picardy. Florets face one way, which makes it a good cut flower variety. Each, 25c; doz., $2.50.

Pearl Harbor (Kenyon). Dec. Purest white, no markings. Unusual lasting qualities, straight grower, vigorous and a rapid propagator. Tall spike carrying 20 to 22 buds, opening 10 to 12 florets at one time. Each, 20c; 3 for 50c; 100, $10.00.

Ranger (Vaughan). Formerly Commando. In color, Ranger is much the same deep red as Commander Koehl, possibly half a tone darker. Its florets are larger, more evenly arranged on the stalk, and face better. The even self-color continues in the throat, without markings The stalk is among the tallest, and grows with exceptional vigor. Each, $1.00; doz., $10.00.

Red Riot (Vaughan). Ex. A tall growing, bright scarlet. Tall slender spike with exceptionally bright clear florets. Each, 40c; doz., $4.00.

Sir Galahad (Salbach). Ex. U. S. Patent No. 356. Soft cream yellow enhanced by diamond blotch of crimson in the throat. Florets are large and wide open—long flower spike with at least 6 of the 18 flowers open at once. Blooms are perfectly placed, and are of heavy substance. Stems always straight. Each, 40c; doz., $4.00.

Snow Princess (Pfitzers). Ex. A very fine new white of good size and form. Tall, with long flower spike and many open blooms that are always perfectly placed. Stems never crook. Snow Princess is one of the very best whites. Mid-season. Each, 25c; doz., $2.50.

White Gold (Scheer). Ex. Clear light cream shading to golden throat. 4-6 very large well placed blooms open at one time. Each, 75c; doz., $7.50.

For Type Classification which is used at all Flower shows, we are marking each variety as follows: Ex.—Exhibition. Dec.—Decorative. S. D.—Small Decorative.

Lake Geneva Collection GLADIOLI

Ten of each of the following ten representarive varieties of Gladiolus (100 first size Bulbs) will be sent postpaid, for $9.00

10 Minuet, Large Lavender
10 Chas. Dickens, Purple Violet
10 Dr. Bennett, Scarlet
10 Bagdad Smoky Old Rose
10 Mary Shary, Clear Soft Primrose-Yellow
10 Picardy, Apricot Pink
10 Maid of Orleans, Milky White
10 Red Phipps, Pink Overlaid Scarlet
10 Pelegrina, Violet Blue
10 Wasaga, Clear Apricot

Please allow us to substitute other varieties if we are sold out when your order is received.

General List

PINK AND ROSE

Aladdin (Palmer). Ex. Grenadine to grenadine pink or in common language bright beautiful salmon with large cream blotch. 8-10 very large beautifully ruffled blooms open at a time on a long straight spike. Plant very strong and robust. Each, 15c; doz., $1.50; 100, $10.00.

Betty Nuthall (Salbach). Ex. One of the outstanding gladioli of recent introduction. Light coral with pale orange throat and light feathering of carmine. Each., 15c; doz., $1.50; 100, $10.00.

Bingo (Canine). Ex. Immense cream-buff, pink flecking and soft Picardy blotch in throat. Each, 20c; doz., $2.00; 100, $15.00.

Candy Heart (Salbach). Ex. Clear flesh pink with large blotch of light carmine. Each, 25c; doz., $2.50.

Debonair (Palmer). Ex. La France pink to shrimp pink in throat with creamy throat mark, lightly peppered crimson. Each, 15c; doz., $1.50; 100, $10.00.

Early Rose (Jack). Dec. Medium rose shading to darker blotch. Great favorite with florists. Each, 20c; doz., $2.00.

Edith Mason (Vaughan). Ex. Delicate geranium-pink, exquisite. Each, 20c; doz., $2.00; 100, $15.00.

Heritage (Ristow). Ex. Very large warm pink, throat lighter, with white midribs on lower petals. Each, 20c; doz., $2.00; 100, $15.00.

Hillsdale (Vaughan). Ex. True Tyrian rose, shading darker toward outer edge of petals, lighter toward throat; back of petals delicately traced with minute white lines. Darker feather on two lower petals. Tall, strong spikes. Blooms in early mid-season. A valuable addition to a color class with few outstanding varieties. Each, 50c; doz., $5.00.

Jeanie (Pruitt). Ex. Clear rich pink with white midribs and creamy yellow throat. Each, 30c; doz., $3.00.

Margaret Fulton Dec. Early salmon-pink. Each, 15c; doz., $1.35; 100, $9.00.

Miss Alameda (Salbach). Dec. A deep salmon pink with carmine blotch. Each, 30c; doz., $3.00.

Mrs. E. J. Heaton (Heaton). Ex. Glowing strawberry pink blended with some cream in throat. Each, 15c; doz., $1.50; 100, $10.00.

Mrs. F. Pendleton (Kunderd). Dec. A grand variety. Bright rose-pink on a pure white ground with a giant blotch of carmine red on lower petals. Each, 15c; doz., $1.50; 100, $10.00.

Peggy Lou (Wilson-Evans). Ex. Smooth, deep shrimp pink with a slight rosy cast and a slight peppering of deeper rose in the throat. Each, 20c; doz., $1.75; 100, $12.00.

Phyllis McQuiston (Stewart). Dec. A gorgeous pure pink. Each, 15c; doz., $1.50; 100, $10.00.

Picardy (Palmer). Ex. A most sensational flower of delicate apricot-pink. The individual florets are all extremely large, slightly ruffled and of heavy wax-like substance. Each, 15c; doz., $1.50; 100, $10.00.

Queen Helen II (Salbach). Ex. Grenadine pink with prominent pinard-yellow blotch and carmine feathering deep in throat. Each, 15c; doz., $1.50; 100, $10.00.

Rosa Van Lima (Pfitzer). Dec. Pure self-colored light pink. Many flowers open at one time. Strong grower. Each, 20c; doz., $1.75; 100, $12.00.

Rapture (Palmer). Dec. Tall late salmon with creamy throat. Each, 15c; doz., $1.50; 100, $10.00.

100 Bulbs of Picardy, Champion of All Gladioli, $6.00 PREPAID 600 MILES

These are flowering size bulbs (No. 3) which will produce exhibition flowers, but take longer to do it than larger bulbs. Picardy is without a rival for the most popular gladiolus. Its soft salmon coloring, huge overlapping florets, perfectly spaced to produce a gorgeous plume of color, have won it leadership in the exhibition room, in the garden, and in the cut flower market. No. 1 bulbs, 100 for $10.00; No. 2 bulbs, 100 for $8.00. By Express Collect.

GLADIOLI Pink and Rose—Continued.

Sensation. (Marshall). Large Dec. Bright but soft rose salmon shading lighter in upper throat with darker feather on the lip. 6-9 heavily ruffled massive blooms on a spike of 17-20 or more buds. Very tall grower and massive often reaching 6 feet in height. A good propagator and one that everyone should have in his garden. Each, 30c; doz., $3.00.

Sonatine (Pfitzer). Dec. Tall light pink, flaked darker. Large blooms on stiff stems. Each, 15c; doz., $1.50; 100, $10.00.

Token (Papas). Dec. Peach red or flame salmon with clear yellow throat. Each, 15c; doz., $1.50; 100, $10.00.

W. H. Phipps (Diener). Ex. Enormous flowers of La France pink, overlaid with salmon-rose, lighter towards the center. Each, 15c; doz., $1.50; 100, $10.00.

PINK AND ROSE MIXED

Made up by ourselves from varieties listed and others. Doz., $1.50; 100, $10.00.

RED

Algonquin (Palmer). Dec. Early, brilliant glowing scarlet, 8-10 wide open ruffled needlepoint blooms open on a tall straight spike. Many people consider this the best scarlet on the market. Each, 30c; doz., $3.00; 100, $22.00.

Beacon (Palmer). Ex. Salmon-scarlet with creamy throat. Tall spike, eight florets open at once. Each, 15c; doz., $1.50; 100, $10.00.

Bill Sowden (Fallu). Dec. Immense, massive ruffled, deep blood-red, usually flaked darker. Each, 15c; doz., $1.50; 100, $10.00.

Commander Koehl (Pfitzer). Ex. An outstanding variety in form and color. Gigantic flowers of dark scarlet, well formed, no blotches. Each, 15c; doz., $1 50; 100, $10.00.

Communist (Vaughan). Ex. Flaming red, lighter than Commander Koehl, more vivid than Dr. Bennett, with a better spike than either. The color is even except for deep crimson in the throat. Flowers in 100 days. Each, 50c; doz., $5.00.

Dr. F. E. Bennett (Diener). Ex. Scarlet throat stippled with ruby and white. Big, vigorous, a ribbon winner. Each, 15c; doz., $1.50; 100, $10.00.

Dream of Beauty (Zimmer). Ex. Large rose red. Good color, strong grower. Each, 15c; doz., $1.50; 100, $10.00.

Kassel (Pfitzer). Ex. A bright attractive scarlet with no marking. Each, 15c; doz., $1.50; 100, $10 00.

Red Phipps (Briggs). Ex. Really a pink overlaid scarlet. Each, 15c; doz., $1.50; 100, $10.00.

Rewi Fallu (Fallu). Ex. Early deep blood-red. Very large blooms on a tall straight spike. Each, 15c; doz., $1.50; 100, $10.00.

Wurtembergia (Pfitzer). Ex. Large scarlet with broad soft cream blotch. Each, 15c; doz., $1.50; 100, $10.00.

RED MIXED

Made up by ourselves from varieties listed and others. Doz., $1.50; 100, $10.00.

LAVENDER

Berty Snow (Mair). Dec. Bright lavender with creamy throat. Each, 15c; doz., $1.50; 100, $10.00.

Dr. Moody (Kenyon). Ex. Light lavender. Each, 15c; doz., $1.50; 100, $10.00.

Elizabeth The Queen (White). Ex. Clean mauve with darker lines on throat; beautifully ruffled. Very fine lavender of distinction. Each, 75c; doz., $7.50.

King Arthur (Arenius). Ex. Grand deep rose-lavender, florets large and fluted. Each, 20c; doz., $2.00; 100, $15.00.

Milford (New Zealand). Ex. One of the best Clear azure-blue, slightly darker at edges of petals. Very large, nine open. Spike and placement good. Each, 20c; doz., $1.75; 100, $12.00.

Minuet (Coleman). Ex. Large light lavender. We recommend it. Each, 15c; doz., $1.50; 100, $10.00.

LAVENDER MIXED

Made up by ourselves from varieties listed and others. Doz., $1.75; 100, $12 00

PEARL HARBOR

MARGUERITE

MAID OF ORLEANS

YELLOW

Cadillac (Vaughan). Ex. Tall spike, flowers well placed and of good form. Seven open at one time, 5 to 7 buds. Color, golden apricot fading to apricot-rose toward edge of petals, no throat markings, stamens and pistils creamy white. A very warm and pleasing shade. Each, 20c; doz., $1.75; 100, $12.00.

Golden Chimes (Ellis). Ex. Highly ruffled light yellow. Each, 15c; doz., $1.50; 100, $10.00.

Golden Dream (Groff). Dec. Clear deep yellow. Each, 15c; doz., $1.50; 100, $10.00.

Loyalty (Austin). Ex. Nice clear yellow. Each, 15c; doz., $1.50; 100, $10.00.

Mary Shary (Vaughan). Dec. Clear soft primrose-yellow with a deeper yellow in throat, faint marking in throat. Spike tall, straight and strong. Flowers well placed, 6 to 8 open. By artificial light remains a beautiful yellow for evening decorations. Each, 20c; doz., $1.75; 100, $12.00.

Miss Bloomington (Kunderd). Dec. Tall, light yellow, flowers well placed. Each, 15c; doz., $1.50; 100, $10.00.

Royal Oak (Vaughan). Ex. Primrose yellow, lightly suffused with pink, the lower petals showing a single fine line of red in the center. 5-7 well placed flowers open at a time. The spike carries 16 to 20 buds. Exceptionally early, blooms in 60 days. Strictly a commercial variety. Each, 20c; doz., $1.75; 100, $12.00.

Yellow Emperor (Ellis). Dec. Clear deep yellow. Each, 15c; doz., $1.50; 100, $10.00.

YELLOW MIXED

Made up by ourselves from varieties listed and others. Doz., $1.50; 100, $10.00.

BLUE AND PURPLE

Ave Maria (Pfitzer). Dec. Extremely good blue-purple. Strong grower, flowers well arranged. Each, 20c; doz., $2.00; 100, $15.00.

Blue Beauty (Pfitzer). Ex. Light blue, shading darker toward the edge. Large wide open flowers. Strong grower. Each, 20c; doz., $2 00; 100, $15.00.

Chas. Dickens (Pfitzer). Dec. Purple-violet. Each, 15c; doz., $1.50; 100, $10 00.

BLUE AND PURPLE—Continued.

Hopi (Vaughan). Dec. A shapely flower of medium size, with florets of velvety substance exceptionally well placed, five to six open at once. In color a bright maroon, with slightly darker harmonizing blotch in the throat. Each, 15c; doz., $1.50; 100, $10.00.

Kalamazoo (Vaughan). Ex. Large, compact flowers of beautiful violet-purple, with a creamy white throat. Each, 20c; doz., $1.75; 100, $12.00.

King Lear. (Palmer). Ex. Very early. Clear deep purple with silver line on edge of all petals. Very large heavily waved and ruffled. 5-6 open. Each, 20c; doz., $2.00; 100, $12.00.

Paul Pfitzer (Pfitzer). Dec. Fine reddish purple. Many flowers open at a time. Each, 15c; doz., $1.50; 100, $10.00.

Pelegrina (Pfitzer). Dec. Deep blue. Each, 15c; doz., $1.50; 100, $10.00.

BLUE AND PURPLE MIXED

Made up by ourselves from varieties listed and others. Doz., $1.75; 100, $12.00.

SMOKY

Bagdad (Palmer). Ex. Very large smoky old-rose. Each, 15c; doz., $1.50; 100, $10.00.

Jalna (Palmer). Ex. Iridescent salmon and ashes of roses. A very unusual and beautiful smoky. Each, 30c; doz , $3.00.

Mother Machree (Stevens). Ex. Soft smoky lavender. Large flower and plant with beautiful coloring of lavender and orange, subdued with neutral gray. Each, 20c; doz., $2.00; 100, $15.00.

Vagabond Prince (Palmer). Ex. Iridescent, garnet brown, lighter in upper throat, small flame, scarlet blotch below. The color combination is very attractive. Each, 15c; doz., $1.50; 100, $10.00.

SMOKY MIXED

Made up by ourselves from varieties listed and others. Doz., $1.75; 100, $12.00.

Prices for single bulbs and by the doz., as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz

ORANGE

Barcarole. (Palmer). Dec. mid-season. Large clear orange of an unusual but most exquisite clear clean shade. 6-7 heavily ruffled blooms open. A gorgeous variety that must be seen to be appreciated. Each, 20c; doz., $1.75; 100, $12.00.

Bit of Heaven (Crow). Ex. Flaming orange with yellow throat. Each, 15c; doz., $1.50; 100, $10.00.

Dearborn (Vaughan). Dec. Immense florets of deep flesh color, light coral reflex, lip amber yellow, blending to flesh, marked with a feathering of deep crimson. Tall, straight spike with twenty or more florets, four to six open at a time, measuring five to six in. in diameter. A giant gladiolus that blooms early. Each, 15c; doz., $1.50; 100, $10.00.

Palm Springs (Vaughan). Ex. A clear soft luminous orange-buff self color, marked only by lighter toning in the throat. Ea., 15c; doz., $1.50; 100, $10.00.

Wasaga (Palmer). Dec. Clear apricot, buff throat. Large flowers and beautiful for basket work. Trifle darker than Duna. Ea., 15c; doz., $1.50; 100, $10.00.

ORANGE MIXED

Made up by ourselves from varieties listed and others. Doz., $1.50; 100, $10.00.

WHITE

Albatross (Pfitzer). Ex. Pure white. Each, 15c; doz., $1.50; 100, $10.00.

Camellia (Palmer). Dec. Blush white, tinted pink with slight pinkish feather. Each, 20c; doz., $2.00.

Corona. (Palmer). Dec. Creamy white shading more creamy toward the throat with wide rose picotee edge on all petals. Very distinctive and beautiful. 6-8 very large wide open blooms on a head of about 18 buds. Tall, strong grower and a fine propagator. Corona takes very well in the cut flower market. Each, 30c; doz., $3.00.

Magna Blanca (Evans). Dec. Huge clear ivory with vivid creamy yellow throat. Six or more flowers open makes it a handsome spike. Each, 20c; doz., $2.00; 100, $15.00.

Maid of Orleans (Pfitzer). Ex. Milky white, cream throat. Each, 15c; doz., $1.25; 100, $8.00.

Margaret Beaton (Twomey). Ex. New immense white with orange-scarlet blotch. Each, 25c; doz., $2.50; 100, $18.00.

Myrma (Pruitt). Ex. An excellent white, sister to Shirley Temple, ruffled and strong grower. Each, 25c; doz., $2.50.

Shirley Temple (Pruitt). Ex. Color rich cream, almost white, with richer cream throat mark. Six to eight very large, most beautifully ruffled flowers open at one time. A maximum spike is equal in size to Picardy or Miss New Zealand. Despite its enormous size it carries not the least bit of coarseness. As a cut flower it will stand up with the best of them, the last bud on the spike blooming out perfectly. Makes beautiful foliage and large, high crown bulbs. Makes ample bulblets that grow readily, without pregermination. It blooms somewhat later than Picardy. Each, 15c; doz., $1.50; 100, $10.00.

Vredenburgh (Pfitzer). Ex. A very vigorous new white that should be of great value, particularly because of its earliness, size of blooms, and placement of florets. Each, 20c; doz., $2.00; per 100, $15.00.

WHITE MIXED

Made up by ourselves from varieties listed and others. Doz., $1.50; 100, $10.00.

Vaughan's "Standard" Mixture 50 Bulbs. First Size - - $3.40

We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one will be found satisfactory everywhere, for mixed beds, borders and masses. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

Price, doz., 90c, postpaid; by express, not prepaid, 50 for $3.40; 100 for $6.50; 250 for $16.00; 500 for $31.00; per 1,000, $60.00.

THRIPS TREATMENT

Vaughan's bulb farms in Michigan and the mountains of Tennessee are free from thrips. This insect pest is prevalent in many sections, however, and your planting may become infested from some neighboring focus. If thrips are known to be near you, prevention is advisable. Rotenone sprays and dusts are effective. (See Page 94)

The U.S. Department of Agriculture recommends, after plants have reached 6 inches in height, weekly spraying with the following formula: ¼ lb. Tartar Emetic, 1 lb. brown sugar, 6 gallons of water.

We will ship Tartar Emetic, ceiling prices, postpaid for ¼ lb., 35c; ½ lb., 60c; 1 lb., $1.00.

AMARYLLIS

HYACINTHUS CANDICANS

ISMENE CALATHINA

Summer Flowering Bulbs

AMARYLLIS

Largest of flowers which are easily forced indoors, our new hybrids are gorgeous in size and coloring.

Vaughan's New Hybrids. Mixed. Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains. 2¼-2½ in. dia., each, 40c; doz., $4.00; 100, $32.00; 2½-2¾ inch dia., each, 50c; doz., $5.00; 100, $37.50; 2¾-3 inch dia., each, 60c; doz., $6.00; 100, $45.00; 3-3¼ in. dia., each, 75c; doz., $7.50; 100, $55.00.

APIOS

Tuberosa. Splendid hardy climber. Color chocolate brown, fragrant. 2-4 bulbs should be planted together at a depth of 3-4 inches. Grows best in loose rich soil. Price, each, 15c; doz., $1.50; 25 for $2.50, prepaid.

BEGONIAS

Tuberous Rooted. Unexcelled for summer bedding. When fully exposed to the sun the beds must be kept moist. All prepaid.

Crispa Single. Red, orange, yellow, rose, white. Large flowered. Medium size, each, 35c; doz., $3.50; 100, $27.00. Large size, each, 45c; doz., $4.50; 100, $32.00.

Camellia Flowered Double. Red, yellow, rose, white, orange. Medium size, each, 35c; doz., $3.50; 100, $27.00. Large size, each, 45c; doz., $4.50; 100, $32.00.

Carnation Flowered or Frilled. Same colors as above. Medium size, each, 35c; doz., $3.50; 100, $27.00. Large size, each, 45c; doz., $4.50; 100, $32.00.

Pendula. Used in hanging baskets. Each, 35c; doz., $3.50; 100, $27.00. Double blooming, many fine pinks.

NEW BEGONIAS

Multiflora Hybrids. Mixed. In a shady place, where they can be well watered, these compact plants will bear double flowers of gorgeous coloring, measuring 2 to 3 inches across. They will blossom until killing frost. Each, 40c; doz., $4.00; per 100, $32.00.

GLOXINIAS

DOUBLE BEGONIA

GOLDEN YELLOW CALLA LILY

Calla Elliottiana. Flower rich golden yellow; foliage dark green with creamy spots. Makes a good pot plant for indoor culture. Does well outside even in full shade. Besides blooms it will act as a foliage plant all summer. Each, 30c; doz., $3.00; 100, $22.50.

CALLA LILY

Richardia Maculata. Spotted leaf, white flower. Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 30c; doz., $3.00; 100, $22.50.

CINNAMON VINE

Dioscorea Batatas. Well-known hardy climber; quick grower. **Large Roots,** 3 for 40c; doz., $1.50; 25 for $2.50, prepaid.

GLOXINIAS

These showy plants are easily grown in pots and transplanted to a garden bed, preferably in a semi-shaded place.

Mixed Colors. Each, 45c; 3 for $1.25; doz., $4.50.

HYACINTHUS CANDICANS (Galtonias) Summer Hyacinth.

Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high. First size, each, 25c; doz., $2.50, prepaid; selected size, each, 30c; doz., $3.00, prepaid.

CALADIUM ESCULENTUM

Elephant's Ear. Good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

First Size—5 to 7-inch circumference. Mailing weight, 4 lbs per doz. Price, 3 for 30c prepaid; doz., $1.25; 25 for $2.00 not prepaid.

Select Size—7 to 9-inch circumference. Mailing weight, 6 lbs. per doz. Price, 3 for 65c prepaid; doz., $2.50; 25 for $4.00, not prepaid.

Extra Large—9 to 11-inch circumference. Mailing weight, 10 lbs. per doz. Price, 3 for 95c, prepaid; doz., $3.50; 25 for $6.00, not prepaid.

ISMENE CALATHINA

Peruvian Daffodil. Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy. Price, each, 30c; doz., $3.00, prepaid.

BULBS SHIPPED SEPARATELY FROM SEED

Because of weather conditions during January, February and early March, we prefer to send out bulbs after March 20th except to customers in the south or California, to whom we ship at once, packed against freezing. Customers should open the package upon arrival, and if bulbs can not be planted at once, they should be placed in a dry and frostproof cellar until ready to plant.

Gentlemen:—

Got your Rainbow Glads last year. It was more joy for a dollar than I ever bought! Want enough to share this year. Thanks for giving this offer again.

Wilbur D. Swenning, White S. D.

Hardy Lilies

Canadense (Meadow Lily). The whole plant has a downward, graceful movement and looks like a slender, tiered green belfry ringing golden bells. The flowers are nodding, bell-shaped, with petals flaring out and turning back slightly. They are heavily dotted on the inside with purplish brown dots. Blooms the end of June to July. Should be planted five inches deep. It is an excellent lily for naturalizing. Height, 3 to 5 ft. **Canadense Mixed.** Each, 25c; doz., $2.50; 100, $15.00.

Phillipinense Formosanum. A refined and graceful lily with long grassy foliage, and long wide-mouthed trumpet flowers of the purest white, slightly marked externally with reddish brown. The plants grow to a height of 2-3 feet, are very robust and offer great resistance to wind and weather. It is hardy, very fragrant and one of the loveliest of the new varieties. Each, 40c; doz., $4.00; 100, $30.00.

Regale. The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flowers are beautiful, possessing a delightful fragrance. The bulb, which should be given good, sharp drainage (as should all lilies), is perfectly hardy, usually presenting a dried, shriveled appearance. 6-7 inch. Each, 40c; doz., $4.00; 100, $25.00.

Superbum (American Turk's Cap, Swamp Lily). The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid lily produces from ten to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown at the base, with red anthers, in late July and August. This lily requires an acid condition and should be planted at least 8 inches deep. Height, 3-8 feet. Each, 30c; doz., $3.00; 100, $20.00.

Tenuifolium. The lovely Coral Lily of Siberia. A great beauty. The greatest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early. Each, 20c; doz., $2.00; 100, $15.00.

Umbellatum (Subspecies of Davuricum). This group of lilies is of hybrid origin, and thrives in American garden borders, multiplying and enduring. They are early flowering, blooming during the first part of June. Usually attaining the height of two to three feet, they carry four to six flowers of cup-shape. **Mixed.** Each, 35c; doz., $3.50; 100, $25.00.

LILY OF THE VALLEY

Large Clumps. For outdoor planting, clumps are best. Plant clumps in a shady, moist place. Each, 60c, 3 for $1.50; doz., $5.50, prepaid.

MADEIRA VINE

One of the best and most popular climbers for foliage effect. Price, 3 for 35c; doz., $1.25; 25 for $2.25, prepaid.

MILLA BIFLORA

New introduction from Mexico, where it is called Estrellitas, or Little Stars. Showy white flowers, two inches in diameter, with six petals not quite separated. The stems are wiry, 12 to 18 inches tall. Very free blooming from July to September. Flowers cut well and have a pleasant Lily-like fragrance. Should be dug in fall, except in milder climates. Each, 20c; doz., $2.00; 100, $15.00.

MONTBRETIAS

Montbretias are easily grown and their graceful flower-stems add much to any garden. They are highly valued for cut flowers. Our mixture contains many bright shades of yellow, salmon, orange and scarlet.

They do best in a light, loamy soil enriched with leaf mould and a little lime, no manure. Where the ground freezes deeply in the winter, they can be treated as gladioli. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply. **Special Mixed.** Price, 3 for 40c; doz., $1.35; 100, $8.50; prepaid.

Earlham Large Flowered Hybrids. They are a completely new race, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches. **Special Mixed.** 3 for 55c; doz., $1.80; 100, $13.00; prepaid.

OXALIS

Summer-Flowering. Useful little plants, very effective in masses or beds and particularly valuable for edgings. They produce an unbroken row of foliage about one foot high in continuous bloom. Very fine to grow in hanging baskets indoors. The colors are white, red, pink. Price, any color, doz., 45c; 25 for 85c; 100 for $3.00, prepaid.

LILIUM UMBELLATUM

MILLA BIFLORA

TUBEROSES

MONTBRETIAS

TIGRIDIA

ZEPHYRANTHUS

TIGRIDIA
(Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. They bloom from July until frost. Height, 3 ft.

Scarlet, each, 15c; doz., $1.35; 100, $9.00.
Yellow, each 15c; doz., $1.35; 100, $9.00.
Orange, each, 20c; doz., $1.80; 100, $13.00.
Light Pink, each, 20c; doz., $1.80; 100, $13.00.
Rose, each, 20c; doz., $1.80; 100, $13.00.
Creamy White, each 20c; doz., $1.80; 100, $13.00.
Mixed. Price, 3 for 40c; doz., $1.35; 100, $9.00; prepaid.

TUBEROSES DOUBLE
(Polianthes Tuberosa)

Excelsior Dwarf Pearl Double. Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut flower. If started in pots, and at the end of May moved to open ground, can be flowered much earlier. **First Size**—Each, 15c; doz., $1.50; 25 for $2.50; prepaid. **Second Size**—Price, doz., 90c; 25 for $1.50; prepaid. **Mexican (Single)**—They have tall, stiff stems, flowers pure white, single; true tuberose fragrance. Price, doz., 90c; 25 for $1.50; prepaid.

SPREKELIA

Formosissima (Jacobean Lily). Closely allied to the Amaryllis, bearing showy brilliant crimson flowers. Dormant bulbs planted in the border early in May will flower within 3 or 4 weeks after planting, or they may be flowered as pot plants in the house during the early spring months.

Large Size—Each, 30c; doz., $3.00; 100, $25.00.

RANUNCULUS

Set 3 or 4 inches apart, pressing firmly into the soil, claws downward, and cover them with sand, then with soil; keep the crown of the tubers four inches under the surface. Water them well.

First Size—Doz., 80c; 100, $5.50; 1000, $50.00.
Second Size—Doz., 60c; 100, $4.00; 1000, $35.00.

FAIRY LILY
Zephyranthus, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

Candida. Pure white and the most profuse bloomer of all. Doz., 75c; 25 for $1.25; 100, $5.00; prepaid.

Rosea. Beautiful clear rose; flowers large and very handsome. Each, 15c; doz., $1.35; 100, $8.50; prepaid.

THREE ITEMS BELOW
Ready for delivery after June 20.
Order NOW.

RESURRECTION LILY
(Lycoris Squamigera) For Outdoor Planting

Amaryllis Hallii. Produces in early spring attractive green foliage which grows until May, when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.

Culture—The bulb is perfectly hardy without any protection. The proper time to plant is in the summer when the bulb is dormant. Cover the crown about four inches. Each, 75c; doz., $7.50.

LYCORIS

Radiata. A coral red Spider Lily. Bulbs planted 5 inches deep July 15th bloomed September 4th. This is not hardy, but has been known to survive freezing in pots. It sends up foliage in March After the foliage dies down the bulb is dormant and sends its blossoms up in August or September. Lily-shaped flowers of orange-red. Each, 25c; doz., $2.50; 100, $18.00.

STERNBERGIA

Lutea. These bulbs planted about 4 inches deep July 15th bloomed from August 7th to September 7th. The flower is yellow and looks very much like a Crocus. They have a thin Hyacinth-like foliage. Hardy with some protection. Each, 25c; doz., $2.50; 100, $18.00.

New Hardy Everblooming Hybrid Tea Roses

HEART'S DESIRE

★Mirandy. AARS 1945. (Pat 632). The first place winner for 1945. The large, long pointed, ovoid buds, are a deep rich dark red with black shadings, opening to a gorgeous Chrysanthemum-red. The huge 50-petaled flowers are long lasting; have a wonderful fragrance, and are produced continuously all season. Each., $2.50.

Price of the following four varieties:
Dormant Roses, $2.00; 3 of one kind for $5.50

★Fred Edmunds. AARS 1944. (Pat. Pending). A spectacular Rose, so rich in color you can hardly believe your eyes. The long, pointed buds of burnt orange, on long stems, open to beautiful flowers of clear sparkling orange. A fine garden variety that has an abundance of bloom and extra good foliage.

★Katherine T. Marshall. AARS 1944. (Pat 607). Long pointed buds of exquisite coral pink open to very large, full cupped blooms of warm glowing pink; fruity fragrance. A marvelous grower and producer of long stemmed roses.

★Lowell Thomas. AARS 1944. (Pat. 595). Large, beautiful buds open into perfectly formed, high centered, lasting flowers of rich, golden yellow. Vigorous bushy plants.

★Mme. Chiang Kai-Shek. AARS 1944. (Patent Applied For). The "Honor Rose" for 1944 and the loveliest of all yellow Roses. It has long pointed buds of light yellow which open full to beautifully formed, creamy yellow, long stemmed flowers over dark green, disease resistant foliage.

Price of the following four varieties:
Dormant Roses, $1.65; 3 of one kind for $4.50

★Grand Duchesse Charlotte. AARS 1943. (Patent Applied For). The long streamlined buds of magnificent Morocco-red open to firm-petaled blooms of dusky coral-red which do not fade but gradually merge to a lovely coral-pink; carnation fragrance.

★Heart's Desire. AARS 1942. (Patent 501). This is the No. 1 Rose of the 1942 "All-America Rose Selections," and what a Rose, for it really has everything that your heart could desire. A pure luminous red color, very sweet fragrance, long stems for cutting, vigorous growth and good foliage.

★Mary Margaret McBride. AARS 1943. (Patent 537). This deliciously fragrant rose is indeed a new triumph. Its long-pointed, salmon-pink buds gradually unfold, petal by petal, holding its radiant beauty at all stages. The full double blooms are large, high centered and a lovely coral-pink color fused with a shimmering gold at the base. It is excellent for cutting and is noted for its generous blooms, even in the hottest summers.

See Page 1 for AARS Rose Collection.

AARS. These are Roses selected by the Rose Council after two-year tests in 15 Official All-America Rose Selections Test Gardens. Only a Rose that is almost perfect and gives A-1 results in all parts of the country can pass their rigid tests. When you get an AARS variety, you get the best.

Price of the following eleven varieties:
Dormant Roses, $1.50; 3 of one kind for $4.25

Anzac. "The Soldiers' Rose." (Pat. 636). Unusually rugged and vigorous, it does a good job of producing many fine buds and beautiful flowers all season. Large buds of coral pink open to very double flowers with a coppery-scarlet sheen.

★California. AARS 1940. (Pat. 443). "The Rose of Roses in shades of gold." Its unusual coloring, ruddy orange toned with saffron yellow, has a dual tone effect of indescribable richness and beauty. Buds long and pointed, flowers of enormous size, often five inches in diameter. Growth vigorous, healthy foliage; fragrant.

★Charlotte Armstrong. AARS 1941. (Pat. 455). An amazingly beautiful new Rose that is said to outbloom most varieties three to one throughout the season. The long, slender, blood-red buds open into magnificent, brilliantly colored flowers, spectrum red in cool weather, cerise in hot weather. Blooms are on long stems and are very lasting when cut; plants are strong and vigorous with good foliage.

Commando. (Patent Pending). A beautiful new Rose that is continuously in bloom. Produces large, full, 50-petaled flowers of coral, salmon and rose. Plant strong and vigorous with heavy dark green foliage.

★Crimson Glory. (Patent No. 105). We consider this the finest of the new red Garden Roses. It gives a quantity of fine blooms all summer and fall. Its large, urn-shaped buds open to deliciously fragrant flowers of intense, deep vivid crimson shaded ox-blood red and mellowed by a soft velvety nap. Vigorous growth.

Douglas MacArthur. (Pat No. 581). Long and well-formed buds open to magnificent blooms of rose, gold and salmon. Very vigorous, hardy and free blooming; fragrant.

★Eclipse. (Patent No. 172). Introduced in 1936, this Rose is internationally famous and is of sensationally new form. Long, streamlined buds of clear, bright yellow, freely produced. Semi-double blooms, lasting well. A fine garden Rose.

★Mme. H. Guillot. (Pat. 337). Long slender buds open to nicely formed large blooms of deep watermelon-pink, with a golden base. Rich fragrance.

Pearl Harbor—"The Memory Rose." (Patent Pending). A plant of tremendous vigor that will grow and bloom freely under most adverse conditions. The buds are exceptionally long and pointed. The upper surface of the petals is a delicate shade of shell-pink, shaded golden-bronze at the base. The outer, or reverse side of the petals is vivid Tyrian-rose. The plants are practically thornless.

Shangri-la. (Patent Pending). The perfect long pointed buds open to large flowers displaying a combination of tints and shades of blush, salmon and rose, delicately blended, yet clear and sparkling. A vigorous plant with dark green foliage.

★Signora. (Patent No. 201). There is no other Rose quite like this one, which is one of the finest of the new varieties that have come to America. A warm symphony of color, mostly in shades of brownish orange and salmon. It is a vigorous, tall and free blooming plant with long buds opening double and fragrant.

FOUR GREAT ROSES

Collection No. 88A

One each Anzac, Crimson Glory, Eclipse, and Sterling (value $5.85) for $5.25.

Price of the following twelve varieties:
Dormant Roses, $1.35; 3 of one kind for $3.85

★Christopher Stone. Produces quantities of brilliant, velvety scarlet blooms all season. Delicious fragrance.

★Duquesa de Penaranda. This glorious Rose produces two distinct types of flowers. In summer the splendid blooms are of a coppery apricot color; in autumn a luscious cinnamon-peach color.

★Girona. Here is one of the most fragrant Roses in existence and one of the best of all garden Roses for cutting. Very strong growing, with good foliage, and superb blooms of a beautiful red and yellow combination.

★McGredy's Ivory. "The perfect white Rose." Perfect buds open into magnificent perfect blooms of ivory-white.

★President Macia. A superb variety that really performs. Extra long, pointed buds of rich carmine-pink, opening into great big blooms, often 5 inches across, of soft flesh-pink, brightened by a yellow flush at the base.

★ Indicates outstanding garden varieties.

DELUXE ROSE COLLECTION

Collection No 88B.

One each of Girona McGredy's Ivory, Sister Therese, The Doctor and Will Rogers (value $6.75) for $5.90.

President Boone. The color is deep velvety crimson, beautifully veined with an entrancing velvet black. This glorious large Rose could be described as a Crimson Radiance. Rich fragrance.

★Poinsettia. Here is the Rose that will be the sensation of your garden for it is the most dazzling red Rose we have ever seen. The plants are good and bloom profusely.

★Santa Anita. (Pat. 539). Perfectly formed long pointed buds unfold into glorious flowers of crystal clear, peach-blossom-pink, very floriferous; excellent for cutting.

Sister Therese. One of the most dependable of the yellow Roses. The long pointed buds, streaked with a rich carmine, are perfectly shaped. The full blooms are a beautiful clear chrome yellow and are borne on the plants in candelabras; sweetbrier fragrance.

★Sterling. (Patent No. 21). Here is a new Rose that is just about perfect. The flowers are a beautiful clear pink with orange base; bud pointed and very lasting when cut. It is a vigorous grower, has disease-resistant foliage, and it blooms and blooms.

★The Doctor. The most glorious pink Rose we have ever seen. The buds are long and pointed and expand to simply enormous blooms of beautiful, glowing rosy pink. Intensely fragrant; excellent for cutting.

Will Rogers. (Patent No. 256) This Rose is one of the finest of velvety reds. In color it is a black crimson-maroon and holds well. Very vigorous and has a really intense old rose fragrance. It bears quantities of flowers throughout the season. Does best in semi-shade.

When varieties ordered are sold out, we reserve the right to substitute with equal value, unless instructed not to do so.

All Roses listed are dormant, Northern grown 2 yr. No. 1 grade and should be planted early.

All Roses are shipped via express from Western Springs, Ill., or may be shipped via parcel post if postage is sent. Allow 1 lb. for each plant. See order blank for postage rates. (No Roses are shipped c.o.d.).

V FOR VICTORY

The Rose that has everything, size, beauty, good color, quantity of bloom and hardiness. Each, $1.75. See Page 1.

A Good Growing Tip

As soon as dormant Roses are properly pruned and planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove soil gradually as plants begin growing.

McGREDY'S SCARLET

The Hybrid Tea Roses bear their glorious blooms profusely from June until late fall. In severe winter climates they need proper winter protection.

CHOICE EVERBLOOMING HYBRID TEA ROSES

Dormant Roses, $1.25; 3, $3.60; 10, $11.00

★Condesa de Sastago. Everyone likes this spectacular Rose with its cupped flowers of orange-scarlet on the inside and yellow on the reverse. Strong grower with heavy foliage; fragrant, free flowering.

Contrast. A bicolored beauty. The high-centered flowers are of vermilion-scarlet and rose; reverse bronzy gold. Fragrant; free blooming.

★Editor McFarland. Perfectly formed lasting, brilliant rose-pink flowers, excellent for cutting. Its vigorous growth, healthy foliage and abundance of fragrant bloom make it most dependable.

★Etoile de Hollande. A brilliant dark red Rose of magnificent size and perfect form. Vigorous grower, heavy bloomer; flowers deliciously fragrant and beautiful in all stages of development.

★Golden Dawn. Noted for its quantity of bloom and considered the finest light yellow garden Rose. Buds lemon yellow, splashed with carmine, open to great big fragrant blooms of pale straw yellow. Bushy, vigorous grower, bronzy green foliage.

Gruss an Teplitz. Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time. One of the best outdoor bedding varieties. Very hardy.

★Joanna Hill. One of our most popular Roses and the best of its color. Rich cream and ivory with a yellow-orange heart. A long-lasting cut flower of fine form, whether in graceful bud or full blown flower.

Kaiserin Auguste Viktoria. Creamy buds developing slowly to snowy white blooms of perfect form.

★McGredy's Scarlet. A Rose with the McGredy name is always a top-notcher and this one is no exception. Its perfectly formed flowers of vivid rose-red come on long stems and are excellent for cutting.

★McGredy's Yellow. Beautifully formed buds of pure, light butter-cup yellow; open flowers cup-shaped.

★Mme. Butterfly. This Rose should be in every collection, large or small. Time has proved its dependability and endeared it to the hearts of all. Light pink petals with deep shadings of apricot and gold at its heart and petal lips of ivory white.

★Mme. Jules Bouche. Long, pointed, shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with blush pink; fragrant. Plant exceptionally strong and continuously in bloom.

★Mrs. Charles Bell (Shell-Pink Radiance). An exquisite shade of salmon-shell-pink that is not found in any other Rose. Has delicious fragrance and all the excellent qualities of Radiance.

★Mrs. Erskine Pembroke Thom. An unfading yellow with dark healthy foliage. Slender buds open to perfectly shaped flowers of canary yellow.

ROSA ROULETTI

NEW MINIATURE OR LILLIPUT ROSE. Everblooming, hardy, height 6 to 8 inches, double dark pink blooms in profusion.
Plants, 60c; 3 for $1.50.

ROSA PIXIE

Pat. 408. A dainty white miniature. Fine for edging. Dwarf and everblooming. Each, 75c; 3 for $2.00.

President Herbert Hoover. Its deep copper-red buds open slowly to a wonderful blend which can only be described as multi-colored, with a dominance of cerise-pink and rich cream veined with scarlet. Superb buds; large flowers, lasting well; long stems—in fact every detail of this excellent rose adds to the beauty that has made it so popular.

★Pink Dawn. Full, double flowers of glistening rose-pink, changing to soft pink with a gold base. Buds are extra long; excellent for cutting. Very popular as it blooms freely and grows vigorously like the Radiance Roses.

★Radiance. Large, full, deliciously fragrant blooms of brilliant rosy carmine, shaded with pink. Constant bloomer and excellent keeper in hot weather. Easy to grow and one of the most popular Roses in America.

★Red Radiance. Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. Hardy; strong grower.

Southport. Fine flowers of an exceedingly brilliant scarlet which is unaffected by the weather. Very showy, probably the most brilliant of all scarlet Roses. Blooms very freely, producing more flowers than any other Hybrid Tea Rose in our collection.

Talisman. A remarkable blending of gold, apricot, yellow, deep pink, and old rose.

SURPRISE ROSE COLLECTION

This is made up of our selection of Everblooming Hybrid Tea Roses. They will be in a wonderful assortment of colors, all labeled.

No. 82A 5 Roses (value $6.25), for....$ 5.25
No. 89B 10 Roses (value $12.50), for... 10.00

FLORIBUNDA ROSES

These Roses are among the hardiest and most continuous blooming hybrids offered, giving a spectacular and permanent display from June until frost. Their flowers are borne in clusters.

Price, except where noted.

Dormant Roses, $1.35; 3 of one kind for $3.85

Betty Prior. (Pat. No. 340). Exquisite single blooms, borne in large clusters on strong stems. Outside of petals dark carmine, inside delicate shell-pink. Very vigorous and continuous bloomer; fragrant.

Cheerio. Superb variety with brilliant double flowers of clear mallow pink shading to Tyrian rose at the base of the petals with reverse or outside a luminous rose-madder. **$1.50.**

★Dagmar Spath (White Lafayette). Large trusses of pure white semi-double flowers, produced freely all summer. Excellent for cutting.

★Donald Prior. (Pat. 377). The large flowers are semi-double, cup-shaped, bright scarlet, flushed crimson, a very striking color. Fragrant, foliage dark green; free flowering.

★Floradora. AARS 1945 (Patent Pending). Spectacular profuse-blooming new Floribunda of bright Cinnabar with shades of scarlet and geranium red. **$1.65.**

★Improved LaFayette. An unusually prolific large flowering variety; very showy and fine for mass plantings. Flowers deep brilliant red, richly suffused crimson.

★Mrs. R. M. Finch. Double soft rosy-pink flowers, 2 inches in diameter, in large showy, fragrant clusters.

★Rosenelfe. Unusually beautiful, silvery rose-pink flowers of Gardenia-like form. They are very double, about 2½ inches across, and are produced freely all summer. **$1.50; 3 for $4.25.**

Sunmist. Graceful, pointed buds opening into large, well-rounded flowers of a clear light sulphur yellow shading to mellow canary yellow toward the base of the petals. **$1.50.**

World's Fair. (Patent No. 362). Large clusters of velvety, black-scarlet flowers, nearly 4 inches across, with 18 to 20 petals. Blooms continuously; fragrant. Luxuriant foliage. **$1.50; 3 for $4.25.**

HYBRID PERPETUAL JUNE ROSES

Hardy as oaks, and producing the finest flowers of the whole rose family, these roses flower freely in June.

Dormant Roses, $1.25; 3 of one kind for $3.60

American Beauty. Very fragrant, large, full cupped flowers of crimson-carmine, shaded rose. Profuse bloomer; sometimes recurrent.

★Frau Karl Druschki (White American Beauty). Pure white, long, immense buds and double flowers. Excellent for bedding and cutting. Blooms all the time.

★Mrs. John Laing. Beautifully formed, extremely fragrant flowers of clear pink on strong stems; blooms freely.

Ulrich Brunner. A Rose of beautiful form and finish, brilliant cherry-crimson. Vigorous, blooming continuously in the open.

CLIMBING ROSES

Attention is invited to the many types of climbing Roses in our list. New varieties are creating greater interest in climbers. Many varieties are quite hardy but we advise winter protection

Price of the following 8 varieties: Dormant, $1.25; 3, $3.60

Bonfire. Best red rambler. Many heavy trusses of small double dazzling scarlet flowers in large clusters of 20 to 25 blooms.

Climbing American Beauty. A free-climber. Rosy crimson flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season.

Chaplin's Pink Climber. Lively pink blooms in clusters of 8 to 12 large and shapely flowers. A strong grower.

Excelsa (Red Dorothy Perkins). Flowers very double, produced in large trusses, thirty to forty on a stem; light crimson. Vigorous.

Mary Wallace. Well formed, semi-double flowers of a bright clear rose-pink with salmon base. Flowers, generally 4 inches in diam.

Paul's Scarlet Climber. A most important addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber.

Primrose. A pure yellow, hardy climbing Rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant.

Silver Moon. Beautiful, fragrant, semi-double flowers four and a half inches and over in diameter. Creamy white petals.

NEW PATENTED CLIMBING ROSES

Blaze. (Plant Patent No. 10). A marvelous, scarlet-red Rose, combining the bloom and growth of Paul's Scarlet Climber with everblooming character. Blooms are double, often 4 inches in diameter. Gives a fine display in June and then blooms again in the fall. **$1.50.**

Climbing Break O'Day. (Prop. rights reserved). Vigorous everblooming climber, with large, very double flowers of orange-apricot shaded with lighter tints. **$2.00; 3 for $5.50.**

Doubloons. (Plant Patent No. 152). A hybrid of our native Rosa Setigera and very hardy. Clusters of very large cup-formed, saffron yellow blooms, opening one after the other. Long heavy canes. Undoubtedly the best yellow climber to date. Has the tendency to repeat in midsummer. **$1.50.**

Orange Everglow. (Pat. 505). New hardy, everblooming climber featuring beauty, fragrance and vigor. Color dazzling coppery orange. **$2.00; 3 for $5.50.**

The New Dawn (The Hardy Everblooming Dr. Van Fleet). Patent No. 1. The first patented Rose and the first everblooming climbing Rose. A sport from Dr. Van Fleet, having same habit of growth. The delicate flesh pink flowers are fragrant and bloom all summer and fall. **$1.50.**

Fruit Trees

All trees are shipped via express from our Nurseries, Western Springs, Ill. **Government Quarantine restrictions prohibit our shipping fruit trees into or West of the States of Idaho, Colorado and Arizona.**

APPLE TREES

4 to 6 ft., 11/16 in. caliper and up, each, **$1.75; 3 for $4.50.**

Summer Varieties: Anoka, Yellow Transparent.
Fall Varieties: McIntosh, Wealthy.
Winter Varieties: Cortland, Jonathan, Northwestern Greening, Red Delicious, Yellow Delicious.
Crab: Dolga (red).

4 ft. up, 9-16 in. caliper and up, each, **$1.50; 3 for $3.75.**

Varieties: Anoka, Cortland, McIntosh, Red Delicious, Wealthy, Yellow Transparent.

QUINTUPLET APPLE TREE

Anoka, Delicious, Jonathan, Yellow Delicious and Yellow Transparent. This is the ideal tree for the small yard, 5 different varieties of apples are grafted on one tree, which will give you good apples for summer, fall and winter. 4 to 6 ft. **Each, $3.95.**

CHERRIES (SOUR)

4 ft. up, 11/16 in. caliper, each, **$3.00.**

Early Richmond. Montmorency.

NEW PEACH HARDEE

Plant Patent No. 120. Large yellow fruit of the Elberta type. Very resistant to cold and drought. 4 to 5 ft., 9/16 in. caliper, **$1.95; 3, $5.00.**

See Page 105 for Small Fruits

Flowering Trees and Shrubs

BUDDLEIA (Butterfly Bush)

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B. & B. indicates "Balled and Burlapped."

(No Nursery Stock Shipped C. O. D.)

ALMOND (Prunus)

Flowering Almond (Prunus Glandulosa). *4 to 6 ft.* These bushy shrubs never fail to produce in early spring, before the leaves appear, a profusion of small very double white or pink, rose-like flowers that are closely set along the branches.

Double Pink. 18 to 24 in., $1.00; 3, $2.85; 10, $8.50.

BARBERRY (Berberis)

Green Leaved Barberry (B. Thunbergi). *4 ft.* Popular hedge plant. Scarlet berries in fall and winter. 18 to 24 in., 60c; 3, $1.50; 10, $4.00; 100, $35.00; 24 to 30 in., 70c; 3, $1.80; 10, $5.50; 100, $50.00.

Mentor Barberry (B. Mentorensis). (Patent No. 99) *3 ft.* It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and remains green until after the holidays. 18 to 24 in., 90c; 3, $2.60; 10, $6.50; 100, $50.00.

Red-Leaved Barberry (B. Thun. Atro Purpurea). *4 ft.* The foliage is a rich, bronzy red all summer. Plant in full sun to develop its coloring. 18 to 24 in., 75c; 3, $1.95; 10, $6.00.

Truehedge Columnberry (B. Thun. Erecta). (Patent No. 110) *4 to 5 ft.* Of distinct pyramidal habit, it may be used for formal hedge or individual specimens without pruning. 15 to 18 in., 60c; 10, $5.00; 100, $40.00.

BEAUTY BUSH (Kolkwitzia Amabilis).

Its trumpet-shaped pink flowers make a wonderful showing in June. Grows from 6 to 8 ft. tall and fully that wide. 2 to 3 ft., $1.25; 3, $3.60.

BIRCH (Betula)

European White Birch (B. Alba). *30-40 ft.* Of very upright habit with beautiful white bark. Foliage small and finely toothed. 8 to 10 ft., $4.25; 5 to 6 ft. clumps, $3.75; 6 to 7 ft. clumps, $4.25.

Cut-Leaved Weeping Birch (B. Pendula Gracilis). *30-40 ft.* An unusually graceful drooping tree, with deeply cut foliage and silvery white bark at maturity. 8 to 10 ft., $4.75; 3 for $13.50.

HYBRID BLUEBERRIES

State Bars shipment into Michigan.

Highly Ornamental Plants—Delicious Fruits. *3 to 5 ft.* Beautiful all year. The foliage is a deep, rich green in summer, turning to a beautiful crimson in fall, and all winter the twigs are bright red. Excellent for planting with Evergreens or Broad-leaved Evergreens, as they require an acid soil. Large clusters of beautiful blue fruits, plump, meaty, tender and practically seedless. Flowers are not self-fertile and therefore we only sell 3 or more plants to a customer so that we can supply more than one variety. Price, 2-year clumps, B & B, 3 for $4.25; 5 for $6.95.

BRIDALWREATH (Spiraea)

5 to 6 ft. One of the most beautiful and useful shrubs. 3 to 4 ft., 90c; 3, $2.50; 10, $7.50.

BURNING BUSH (Euonymus)

Winged Burning Bush (E. Alatus). *6 to 8 ft.* Bark cork-like and curiously winged; leaves small; fruit red; in autumn, foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations 3 to 4 ft., $2.50; 3, $7.00; 4 to 5 ft., $3.00.

Dwarf Burning Bush (E. Alatus Compacta). *4 to 6 ft.* A compact form of the above. 2 to 2½ ft., $2.25; 2½ to 3 ft., $3.00.

European Burning Bush or Spindletree (E. Europaeus). *12 to 14 ft.* Very handsome in autumn and winter when it is loaded with rose-colored and orange berries. 4 to 5 ft., $1.25; 3, $3.25.

FOUR NEW BUDDLEIAS (Butterfly Bushes or Summer Lilacs) $2.95

One each of those listed below.

The long tapering spikes thickly covered with minute tubular flowers of pleasing fragrance bloom during July and continue until frost. Excellent for cut-flowers. The stalks die to the ground each winter but come up vigorously again in the spring.

Charming. *4 ft.* A glorious variety, bearing elegant long sprays of lavender-pink blooms. Is decidedly pink in color as compared with other varieties.

Dubonnet. *4 ft.* A splendid new color, matching that of the French Dubonnet wine, glowing red in the sun or under artificial light.

Orchid Beauty. *3 to 4 ft.* A fine Buddleia having flower heads up to 24 inches in length, broad at the base. Individual florets fringed; color soft cattleya-lilac with brilliant orange eye.

Royal Purple. (New). *3 to 4 ft.* One of the loveliest of all the Buddleias, with very shapely, extra long, full spikes of bloom that are a brilliant, glowing red-purple in color.

Prices of above, field grown, each. $1.00; 3 for $2.75.

HANSEN BUSH CHERRY

Prunus Besseyi. *4 to 5 ft.* Hardy, quick-bearing cherry. Fruit resembles a small plum, massed in clusters from the ground up; good to eat fresh and makes delicious preserves. Have striking ornamental value, dwarf, bushy nature, fragrant white flowers in spring and beautiful silvery green foliage which turns rich red and gold color in fall. 2 to 3 ft., 85c; 3, $2.25; 10, $7.00.

BRILLIANT CHOKEBERRY

Aronia Brilliantissima. *6 to 8 ft.* Brilliant red berries in August that remain until winter and bright crimson foliage in fall. 3 to 4 ft., $1.00; 3, $2.85.

COTONEASTER

Peking Cotoneaster (Acutifolia) *5 to 10 ft.* Small leathery leaves of rich glossy green, jet black berries in fall. Extremely hardy, it makes one of our finest hedges. Can be trimmed like Privet. 2 to 3 ft., 75c; 3, $2.10; 10, $6.50; 100, $50.00; 3 to 4 ft., 90c; 3, $2.50; 10, $7.50; 100, $55.00.

CRAB, FLOWERING (Malus)

Bechtel's Double-Flowering Crab (M. Ioensis Bechteli). *10 to 15 ft.* Trees of medium size are covered in early spring with large, beautiful, double fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., $2.00; 4 to 5 ft., $2.75.

Eleyi Crab (M. Eleyi). *10 to 15 ft.* Red foliage in spring later turning to bronze green. Produces clusters of wine red flowers and fruits of a dark red color. 4 to 5 ft., $2.00; 3 $5.25.

Rose Flowering Crab (M. Hopa). *15 to 20 ft.* Very hardy and one of the most beautiful of all flowering trees. Produces quantities of very large, deep rose-colored flowers followed by large edible fruits; distinctly red fleshed. 3 to 4 ft., $1.50; 4 to 5 ft., $2.00.

For complete list of Malus, ask for our Nursery Price List.

CRANBERRYBUSH (Viburnum)

European Cranberrybush (V. Opulus). *10 ft.* Showy, cranberry-like berries in fall and early winter. 18 to 24 in., 75c; 3, $2.10; 10, $6.50; 2 to 3 ft., 90c; 3, $2.50; 10, $7.50.

DOGWOOD (Cornus)

Coral Dogwood (C. Alba Sibirica). *6 to 10 ft.* Bright coral-red branches. 4 to 5 ft., $1.00; 3, $2.75.

Goldentwig Dogwood (C. Stol. Flaviramea). *6 to 10 ft.* Attractive golden yellow bark. 2 to 3 ft., 75c; 3, $2.10; 3 to 4 ft., 90c; 3, $2.50.

Pink Flowering Dogwood (C. Florida Rubra). *15 ft.* A small, upright tree that produces large, deep rose-colored flowers in early spring. Very showy. 2 to 3 ft., B. & B., $4.50; 3 to 4 ft., B. & B., $6.00.

White-flowering Dogwood (C. Florida). *15 to 20 ft.* Masses of large, single white flowers in May. 2 to 3 ft., B. & B., $3.50.

CHINESE ELM HEDGING

Ulmus Pumila. It forms a beautiful, dense, impenetrable hedge with small dark green foliage. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 2 to 3 ft. seedlings, not transplanted, 10, $2.00; 50, $7.50; 100, $13.50.

ELM (Ulmus)
3 Quick Growing Varieties

American Elm, Moline Type. *80 to 100 ft* Exceedingly large foliage. Of upright habit. Splendid tree for the street or for small yards.

American Elm, Vase Type. *80 to 100 ft.* A true vase-shaped tree.

Chinese or Siberian Elm (U. Pumila). *75 ft.* On account of its rapid growth resistance to disease and ability to thrive in almost any situation, this is one of the most popular trees in America.

(Prices of the above 3 Elm Trees as follows:)

Height	Caliper	Each	3 for
8 to 10 ft.	1 to 1¼ inch	$3.00	$8.25
8 to 10 ft.	1¼ to 1½ inch	3.50	9.75
10 to 12 ft.	1½ to 1¾ inch	4.00	11.25
12 to 14 ft.	2 to 2¼ inch	5.00	13.50

Larger sizes, prices on application.

FIREBUSH OR FLOWERING QUINCE

Cydonia Japonica. *4 to 5 ft.* Brilliant orange-scarlet flowers in April, followed by yellowish green, quince-shaped, fragrant fruits. 18 to 24 in., 75c; 3, $2.00; 2 to 3 ft., 85c; 3, $2.25; 10, $7.00.

FRINGETREE

White Fringetree (Chionanthus Virginica). *9 to 15 ft.* In late May or early June a thick white mist of pendant fringe-like flowers; mixing with large leathery leaves, present a unique sight. Valued as a lawn specimen 3 to 4 ft., $1.50.

GOLDEN BELL (Forsythia)

Border Forsythia (F. Intermedia). *6 to 8 ft.* Bright golden yellow flowers in early spring. 3 to 4 ft., 85c; 3, $2.40; 10, $7.00; 4 to 5 ft., $1.00; 3, $2.75; 10, $8.50.

Korean Golden Bell (F. Ovata). *5 to 8 ft.* Extremely hardy and very early. The flowers are pale primrose-yellow. 3 to 4 ft., $1.00; 3, $2.75; 4 to 5 ft., $1.25; 3, $3.60.

Showy Border Golden Bell (Forsythia Intermedia Spectabilis). *6 to 8 ft.* Its large, rich, yellow blossoms completely cover the wide spreading branches in early spring. 3 to 4 ft., 90c; 3, $2.50; 4 to 5 ft., $1.00; 3, $2.75.

HAWTHORN (Crataegus)

Paul's Double Scarlet Hawthorn (C. Oxyacantha Splendens). *12 to 15 ft.* Very showy blossoms of bright scarlet color, large, full and very double. 4 to 5 ft., $3.50.

HEATHERMINT (Elsholtzia Stauntoni).

3 to 4 ft. Produces attractive spikes of reddish purple flowers, resembling heather; September and October. The leaves of the plant, when bruised, emit a mint fragrance. Plant in a sunny location. 18 to 24 in., 85c; 3 for $2.40; 10, $7.00.

HONEYLOCUST (Gleditsia)

Thornless Honeylocust (G. Triacanthos Inermis). *50 to 70 ft.* A large, vigorous tree with spreading branches, thornless or nearly so, and handsome feathery fern-like leaves. Good for yard or street planting and will withstand the dust and smoke of a city well. Thrives in any soil and will endure drought. 6 to 8 ft., $3.00; 8 to 10 ft., 1 to 1¼ in. caliper, $4.00; 8 to 10 ft., 1¼ to 1½ caliper, $5.00.

We cannot ship Almonds, Chokeberries, Bush Cherries, Flowering Crabs (Malus), Firebush, Hawthorns or Prunus into or West of the States of Idaho, Colorado and Arizona, on account of government restrictions.

for the Home Landscape

HYDRANGEA

Peegee Hydrangea (H. Paniculata Grandiflora). *8 to 10 ft.* Immense panicles of bloom a foot long, white turning to rose, commencing to bloom in August. 18 to 24 in., 90c; 3, $2.50; 10, $7.50; 2 to 3 ft., $1.00; 3, $2.85; 10, $8.50.

Snowball Hydrangea (H. Arborescens Grandiflora). *4 ft.* Large, flat heads of snow-white flowers in June and July. Thrives in shade. 18 to 24 in., $1.00; 3, $2.75.

Blue Hydrangea. *2 ft.* Blooms of deep and intense blue last for a long time in late summer. Will grow in sun or light shade. Protect during winter in colder climates. Use a little alum when planting to assure the best color. $1.65.

HONEYSUCKLE (Lonicera)

Tatarian Honeysuckle. *9 to 10 ft.* One of our best shrubs for screen and border plantings.
Pink. 3 to 4 ft., 80c; 3, $2.10; 10, $6.50; 4 to 5 ft., $1.00; 3, $2.70; 10, $8.50.
Red. 18 to 24 in., 70c; 3, $1.95; 10, $6.00; 2 to 3 ft., 80c; 3, $2.10; 10, $6.50; 4 to 5 ft., $1.25.
White. 2 to 3 ft., 70c; 3, $1.95; 10, $6.00; 3 to 4 ft., 80c; 3, $2.10; 10, $6.50; 4 to 5 ft., $1.00; 3, $2.70; 10, $8.50.

Zabel Red H. (L. Korolkowi Zabeli). *10 ft.* A dense upright growing shrub. This variety produces a grand display of red flowers in spring followed by red fruits in summer. It is probably the darkest colored bush honeysuckle. 3 to 4 ft., $1.00; 3, $2.75; 10, $8.50.

KERRIA (Corchorus)

Japonica Flore Pleno (Double Kerria). *4 to 5 ft.* Showy, bright double yellow flowers from June to September. 18 to 24 in., $1.25; 3, $3.60.

LINDEN (Tilia)

Pyramidal European Linden (Tilia Platyphyllos Pyramidalis). *60-80 ft.* New Linden of true pyramidal form. It does not attain the extreme narrow effect of the Lombardy Poplar, but will fill its place in many landscapes where a narrow tree of long life is needed. 8 to 10 ft., $4.50.

4 EXTRA FINE LILACS, $3.95

These are 4 of the most outstanding varieties in our collection and they make a beautiful group planting. One of each, as listed, 18 to 24 in., (value $5.00) for $3.95. Spring shipment only.

Charles Joly. Double flowers of dark, wine-red with silvery reverse. One of our very finest Lilacs. 18 to 24 in., $1.25; 3, $3.60.

Charles X. Magnificent trusses of single, reddish-purple flowers. A very free flowering and strong, rapid growing variety. Very fragrant. 18 to 24 in., $1.25; 3 for $3.60.

Mme. Lemoine. Excellent double white, a pure snow-white with cream tinted buds. The long, erect panicles are forked and have large individual florets. 18 to 24 in., $1.25.

Pres. Grevy. Considered by many as the most satisfactory of the blue Lilacs. Large, compact clusters of double flowers of very fine blue. 18 to 24 in., $1.25.

For Complete List of Lilacs, ask for our Nursery Price List ready in March.

HYBRID BLUEBERRIES

LILAC SPECIES

Common Purple Lilac (Syringa Vulg. Purpurea). *12 to 15 ft.* The old-fashioned Lilac. It is hardy and vigorous, endures neglect and blooms abundantly. Purple flowers early in May. 3 to 4 ft., 90c; 3, $2.50; 10, $7.50.

Persian Purple (Syringa Persica). *8 to 10 ft.* The most graceful and freely flowering of the Lilacs, with purple-lavender flowers, in loose panicles. 18 to 24 in., 75c; 3, $2.10; 10, $6.50; 2 to 3 ft., 90c; 3, $2.50; 10, $7.50.

Lilac (Syringa Japonica). *15 to 20 ft.* The last of the Lilacs to bloom, bearing its small creamy-white flowers in upright clusters from 12 to 18 inches long in June and July. 3 to 4 ft., $1.25; 3, $3.60.

MAGNOLIA

Lenne Magnolia (M. Soulangeana Lennei). *20 ft.* Similar to the Saucer Magnolia, except its flowers are deep crimson on the outside and it blooms 2 weeks later. 3 to 4 ft., B. & B., $12.00.

Saucer Magnolia (M. Soulangeana). *20 ft.* Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup-shaped, rosy pink when in bud. A full-sized tree is a bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 2 to 3 ft., B. & B., $9.00; 3 to 4 ft., B. & B., $12.00; 4 to 5 ft., B. & B., $15.00.

Star Magnolia (M. Stellata). *12 ft.* The first Magnolia to blossom. No plant flowers more freely, and in early spring its semi-double, snow-white flowers of starry form appear in countless numbers and attract attention on all sides. 18 to 24 in., B. & B., $7.50; 2 to 2½ ft., B. & B., $9.00.

MOUNTAIN ASH (Sorbus)

European Mountain Ash (S. Aucuparia). *25 to 30 ft.* A handsome tree with compound leaves of dark green turning to a golden yellow in autumn. The white flowers are followed in fall by large clusters of bright red berries. 8 to 10 ft., $3.75; 3, $10.50.

Oakleaf Mountain Ash (S. Quercifolia). *20 to 25 ft.* Upright, rather pyramidal tree with attractive foliage and berries. 8 to 10 ft., $3.75; 3, $10.50.

MAPLE (Acer)

Columnar Norway Maple (Acer Platanoides Columnare). *50-60 ft.* Compact columnar form of the Norway Maple. 8 to 9 ft., $5.25; 3, $15.00.

Norway Maple (Acer Platanoides). *50 to 75 ft.* A large and handsome tree with spreading branches, and compact, round head. Broad, dark green foliage, fading with tones of yellow and gold in autumn. 8 to 10 ft. 1 to 1¼ in. caliper, $4.50; 3, $12.75. **Larger sizes, prices on application.**

Schwedler Maple (Acer Platanoides Schwedleri). *40 to 60 ft.* Gleaming red and purple leaves in spring, changing to dark green during summer. 8 to 10 ft., $5.25; 3, $15.00.

MOCK ORANGE (Philadelphus)

Common Mock Orange. *7 to 10 ft.* The free flowering single white found in the old-fashioned gardens. Of rapid growth, forming a large bush. 2 to 3 ft., 75c; 3, $2.10; 10, $6.50; 3 to 4 ft., 90c; 3, $2.50; 10, $8.50.

Innocence. *5 ft.* Long arched branches carrying a wealth of large single flowers of the purest white assuming the appearance of snowy sheaves of bloom. 3 to 4 ft., $1.75; 3 for $5.00.

Lemoine Mockorange (P. Lemoinei). *4 to 5 ft.* Very attractive, creamy white flowers. Of erect growth; small leaves. 2 to 3 ft., 75c; 3, $2.10; 10, $6.50; 3 to 4 ft., 90c; 3, $2.50; 10, $8.00.

Virginalis. *7 to 8 ft.* One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with extra large, single and semi-double flowers that are pure white and sweet-scented. It has a long blooming season, the new wood producing large individual flowers often 3 inches across, throughout the summer. 18 to 24 in., 85c; 3, $2.50; 2 to 3 ft., $1.00; 3 for $2.85.

PRIVET HEDGE (Ligustrum)

Amur Privet (L. Amurense). *12 ft.* One of the best hardy hedge plants. May be sheared to any extent. 18 to 24 in., 10, $2.50; 100, $22.50; 2 to 3 ft., 45c; 10, $3.50; 100, $32.50.

PLUM (Prunus)

Double Flowering Plum (P. Triloba). *7 to 8 ft.* Double flowers of a delicate pink, upwards of an inch in diameter, thickly set on long, slender branches; flowers in May. 2 to 3 ft.; $1.00.

Newport Purple-Leaf Plum (Prunus Cerasifera Newport). *12 to 15 ft.* A small tree shrub. The leaves, when young, are lustrous crimson, changing to a dark purple and retain this beautiful tint until they drop, late in autumn. The tree is covered early in spring with small, single pink flowers, which appear before the leaves. 2 to 3 ft., $1.00; 3, $2.75.

ROSE OF SHARON

Hibiscus or Shrub Althaea. *6 to 12 ft.* An upright shrub, blooming in August and September. The flowers resemble those of the hollyhock, and are very showy. **Double pink, purple, red, or white.** 2 to 3 ft., 80c; 3, $2.25.

HYBRID RUGOSA ROSES

Prices, 2 year, $1.25; 3, $3.60; 10, $11.00.

Hansa. *5 to 6 ft.* Double, reddish-violet flowers of large size, freely produced. Very sweet scented.

F. J. Grootendorst. *5 to 6 ft.* The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost.

Pink Grootendorst. *5 to 6 ft.* A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink.

GOLDEN ROSE OF CHINA

Rosa Hugonis. *6 ft.* Excellent hardy rose that makes a spectacular show when its long arching branches are thickly set with lovely single yellow flowers in May. 2 yr., $1.25; 3, $3.60.

SNOWBALL

Clove-scented Snowball (Viburnum Carlesi). *4 ft.* This dwarf, compact shrub, bearing large corymbs of delicate pale rose blossoms, tinted white, has a delicious clove-scented fragrance. Hardy, but best planted in a somewhat sheltered position. 18 to 24 in., $2.50.

Old-Fashioned Snowball (V. Opulus Sterile). *8 to 10 ft.* Large balls of white flowers in May. 3 to 4 ft., $1.15; 3, $3.25; 4 to 5 ft., $1.35; 3, $3.75.

SNOWBERRY (Symphoricarpos)

S. Racemosus. *3 to 5 ft.* Waxy white berries in fall. Does well in shade. 2 to 3 ft., 80c; 3, $2.25; 10, $6.50; 3 to 4 ft., 90c; 3, $2.50; 10, $7.50.

SNOWGARLAND

Spiraea Arguta Multiflora. *4 to 5 ft.* Showy shrub with leaves of narrow, bright green, fading with tones of yellow and orange in fall. Flowers are small, pure white, and are borne in early spring in such profusion that the whole shrub appears laden with snow. 18 to 24 in., 75c; 3, $2.10; 10, $6.50; 2 to 3 ft., 90c; 3, $2.50; 10, $7.50.

EVERBLOOMING SPIRAEA

Spiraea Froebeli. *3 ft.* Round, flat clusters of rosy-pink flowers from June to October. Beautiful foliage all season. One of our best low growing shrubs for general use and for flowering hedges. 18 to 24 in., 75c; 3, $2.10; 10, $6.50; 24 to 30 in., 90c; 3, $2.50; 10, $7.50.

Spiraea Anthony Waterer. *2½ ft.* Flat clusters of rosy-crimson flowers throughout the summer and fall. 15 to 18 in., 75c; 3, $2.10; 10, $6.50; 18 to 24 in., 90c; 3, $2.50; 10, $7.50.

TAMARIX

Hispida Aestivalis. *8 to 10 ft.* Magnificent variety with pink flower spikes that appear all during the summer. Feathery gray-green foliage. To get the best results, Tamarix should be cut to the ground when planted. 2 yr., No. 1, 80c; 3, $2.25.

WILLOW (Salix)

French Pussy Willow (S. Caprea). *10 to 15 ft.* Small tree or large shrub with handsome fur-like catkins which appear in early spring before the leaves. 3 to 4 ft., $1.25; 3 for $3.60.

Wisconsin Weeping Willow (S. Blanda). *30 to 40 ft.* Wavy, bright green foliage borne on slender, pendent branches. 6 to 8 ft., $3.00.

VITEX MACROPHYLLA

3 to 4 ft. Very attractive shrub with handsome dark green foliage and attractive bright lavender-blue flowers produced from June until frost. 18 to 24 in., $1.00; 3, $2.75.

WEIGELA (Diervilla)

Abel Carrieri. *6 ft.* Very floriferous, producing quantities of large, showy, trumpet-shaped pink and carmine flowers in June. 3 to 4 ft., $1.00; 3, $2.75.

Bristol Ruby. (Plant Patent No. 492.) *6 ft.* Splendid new variety that blooms profusely in June and early July and occasionally later in the season. Color in effect is a soft ruby-red shading to garnet-crimson. 2 to 3 ft., $1.50; 3, $4.00.

Vaughan's Nursery Price List

Listing our complete assortment of ornamental shrubs, shade trees, evergreens, small fruits, and fruit trees will be sent free on request. Ready about March 1st.

Hardy Climbing Vines

LARGE-FLOWERING CLEMATIS

Henryi. Pure white flowers, usually eight-petaled, and often 6 to 8 inches in diameter.

Jackmani. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion.

Mme. Edward Andre. Very beautiful bright velvety red, free-flowering and continuous bloomer.

Ramona. An extra good variety that gives plenty of bloom of a distinct shade of light lavender blue.

Prices of the above 4 varieties: 2-year, each, $1.25; 3-year, each, $1.50.

Gold Medal Collection. One each Jackmani, Henryi and Mme. Edward Andre, 2-year for $3.50; 3-year for $4.25.

FIVE FINE NEW CLEMATIS

Comtesse de Bouchaud. Beautiful flowers with gracefully curved petals of satiny rose. Blooms from July to Sept. Very distinct. 2 yr., $1.50.

Crimson King. Truly spectacular, bright red flowers that are often 6 to 7 inches in diameter. Blooms from June to September. $1.50.

Lord Neville. Very dark, velvety blue-purple. Exquisite in color, with petals rich in texture. Has a long blooming season. 2 yr., $1.50.

Mr. G. J. Patijn. Handsome double flowers of pale blue. Profuse bloomer in July and again just before frost. 2 yr., $1.50.

Prins Hendrik. Of rare orchid-like beauty, with gorgeous azure-blue, ruffled petals, often 7 inches in diameter. Blooms from June until frost. $1.75.

Deluxe Collection: One each of Mr. G. J. Patijn, Crimson King, and Lord Neville. 2-year, for $4.25.

VARIOUS SPECIES OF CLEMATIS

Duchess of Albany (New). Vigorous sprays of gorgeous pink trumpet-shaped flowers about 3½ to 4 inches long. Blooms from July to September. Flowers will last two weeks when cut. 2 yr., $1.75.

Sweet Autumn Clematis (Clematis Paniculata). The flowers are pure white, deliciously fragrant and produced with the greatest freedom in September. The most popular of all the small-flowered vines. 2 yr., 90c; 3 for $2.50.

BITTERSWEET (Celastrus Scandens)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. Succeeds well in shade. We recommend planting 2 or more in a group. 2 yr., 85c; 3 for $2.25.

CREEPER (Ampelopsis)

Boston Ivy (Ampelopsis Tricuspidata or Veitchei). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, 85c; 3 for $2.25; doz., $8.50.

Engelman's Creeper (Ampelopsis Engelmani). One of the hardiest, best and quickest growing climbers for the north and northwest. Leaves color beautifully in the fall. Has a tendency to cling to brick or stucco. 2 year, 75c; 3 for $2.00.

DUTCHMAN'S PIPE

Aristolochia Sipho. A vigorous growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, rich glossy, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It is very hardy and thrives in sun or shade. 2 yr., grafted, $1.50.

HARDY ENGLISH IVY

Hedera Helix Gracilis. A graceful evergreen vine that has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places and makes an excellent ground cover. 3 in. pots, each, 65c; 3 for $1.75; doz., $6.00.

Emerald Gem Ivy. Similar to the Hedera Helix Gracilis, but much hardier. Makes a beautiful ground cover. 3 in. pot plants, 75c; 3 for $2.10; doz., $7.50.

CLIMBING HYDRANGEA

Hydrangea Petiolaris. A worth while hardy climber with white, four-petaled flowers in 6 to 8 inch loose clusters in July. Will cling to brick or stone walls. Slow growing when young, but once established, makes a rapid growth. Grows best on north or east sides of buildings. Strong pot-grown plants, $1.25; 3 for $3.50.

HONEYSUCKLE (Lonicera)

Everblooming Honeysuckle (Lonicera Heckrotti). Remarkable for large size and distinct appearance of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., 90c; 3 for $2.50.

Hall's Honeysuckle (Lonicera Japonica Halleana). One of the finest of all vines. Almost evergreen, with very fragrant, pure white flowers, changing to yellow, in late summer and fall. 2 yr., 75c; 3 for $2.00; doz., $7.50.

TRUMPET CREEPER

Bignonia Radicans. A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. Useful wherever a showy flowering vine is desired. Will cling to wood. 2 yr., 75c; 3 for $2.10.

Bignonia Mme. Galen. A more dwarf form of the above with immense flower clusters, often exceeding 15 inches in length. 2 yr., grafted, $1.25; 3 for $3.50.

WISTARIA

Chinese Wistaria (Wistaria Sinensis). Blooms very profusely early in summer; flowers violet-blue, in long pendulous clusters. Our plants are propagated from blooming wood. 2 yr., grafted, $1.25.

Pink Wistaria (Wistaria Multijuga Rosea). The queen of the Wistarias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. No. 1, $1.50; grafted, 3 for $4.00.

White Chinese Wistaria (Wistaria Sinensis Alba). Pure white, very fragrant, 2 yr., grafted, $1.25.

All prices f. o. b. our nurseries, Western Springs, Ill.

If wanted by Parcel Post, add 10c for 1 plant, 20c for 3 plants for postage.

CLEMATIS Jackmani.

SILVER LACE VINE

Polygonum Auberti. Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., $1.00; 3 for $2.75.

Vaughan's Evergreens

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.
When Personal Selection of Stock is made, We Charge for According to Its Value.

ARBORVITAE (Thuja)

Globe Arborvitae (T. Occidentalis Globosa). A round, compact form with deep green foliage. 12 in., $2.50; 15 in., $3.00; 18 in., $3.50.

Pyramidal Arborvitae (T. Occidentalis Pyramidalis). A compact, narrow pyramidal tree. 2½ to 3 ft., $3.25; 3 to 3½ ft., $3.75; 3½ to 4 ft., $4.25; 4 to 4½ ft., $4.75; 4½ to 5 ft., $5.50.

JUNIPER (Juniperus)

Andorra Juniper (J. Communis Depressa Plumosa). Of prostrate habit; foliage bright green in summer, rich reddish purple in winter. 2 to 2½ ft., $5.00; 2½ to 3 ft., $5.50; 3 to 3½ ft., $6.50.

Burk Redcedar (J. Virg. Burki). An improved form of Silver Redcedar. 3 to 3½ ft., $5.75; 3½ to 4 ft., $6.75; 5 to 5½ ft., $10.50.

Canadian Juniper (J. Canadensis). Dwarf evergreen of erect habit; grayish green foliage. 18 to 24 in., $2.75; 2 to 2½ ft., $3.50.

Cannart Redcedar (J. Virg. Cannarti). Fine Pyramidal form with heavily tufted deep green foliage, 3 to 3½ ft., $6.75; 3½ to 4 ft., $7.50; 4 to 4½ ft., $8.50; 4½ to 5 ft., $9.00.

Dundee Juniper (J. Virg. Pyramidiformia Hilli). Dense conical form; bluish gray-green foliage, plum colored in winter. 3½ to 4 ft., $7.75; 4 to 4½ ft., $9.00; 4½ to 5 ft., $10.50.

Keteleer Juniper (J. Chin. Keteleeri). Similar to Cannart Redcedar, but of more open growth and pyramidal habit. 2½ to 3 ft., $4.50; 3 to 3½ ft., $5 50; 3½ to 4 ft., $6.50; 4 to 4½ ft., $8.00.

Pfitzer Juniper (J. Chin. Pfitzeriana). One of the best Junipers. Of broad, bushy growth, with thick, rich green foliage. 15 to 18 in., $2.75; 18 to 24 in., $3.75; 2 to 2½ ft., $5.50.

Redcedar (J. Virginiana). Tall growing, one of the best known evergreens. 2½ to 3 ft., $3.50; 3 to 3½ ft., $4.00; 3½ to 4 ft., $4.50.

Savin Juniper (J. Sabina). A dwarf evergreen with semi-erect spreading branches. 18 to 24 in., $3.50; 2 to 2½ ft., $4.00.

Silver Redcedar (J. Virg. Glauca). One of our choicest evergreens with attractive blue tinged foliage. 3½ to 4 ft., $6.75; 4 to 4½ ft., $8.00; 4½ to 5 ft., $9.00; 5 to 5½ ft., $10.00.

Von Ehron Savin Juniper (J. Sabina Von Ehron). Semi-spreading; very dark green foliage. 2 to 2½ ft., $4.75; 2½ to 3 ft., $5.50.

Upright Von Ehron Savin Juniper. An upright form of the above. 2½ to 3 ft., $5.50.

PINE (Pinus)

Austrian Pine (P. Nigra). A good tree for city planting. A distinctive variety with stout spreading branches and long rich green needles. 2½ to 3 ft., $3.75; 3 to 3½ ft., $4.50.

Mugho Pine (P. Mont. Mughus). Good low growing evergreen. 12 in., $2.25; 15 in., $3.50; 18 in., $4.25; 2 ft., $5.00.

Scotch Pine (P. Sylvestris). A picturesque evergreen of rapid growth; valuable for windbreaks. 2½ to 3 ft., $3.00.

EVERGREEN SPURGE

Pachysandra Terminalis. A low growing ground cover. The thick leathery green leaves hold on all winter. Excellent for a shady location, especially under trees where grass will not do well. It is well suited for growing between Evergreens. Pot plants, 3 for 85c; 12 for $2,50; 100 for $15.00.

SPRUCE (Picea)

Black Hill Spruce (P. Canadensis Albertiana). A very dense, compact growing spruce with green or bluish foliage. 2 to 2½ ft., $4.75; 2½ to 3 ft., $5.25; 3 to 3½ ft., $6.50; 3½ to 4 ft., $7.00; 4 to 4½ ft., $8.50.

Colorado Green Spruce (P. Pungens). A very popular variety with heavy, light green foliage. 2 to 2½ ft., $5.00; 2½ to 3 ft., $5.50; 3 to 3½ ft., $6.50; 3½ to 4 ft., $7.50.

YEW (Taxus)

Spreading Yew (T. Cuspidata). Of dense, spreading growth, with heavy, dark green foliage. 15 to 18 in., $5.50; 18 to 24 in., $7.50; 2 to 2½ ft., $9.00; 2½ to 3 ft., $11.00.

Upright Yew (T. Cusp. Capitata). An upright or pyramidal form with glossy, deep green foliage. 18 to 24 in., $6.50; 2 ft. $7.50; 2½ ft., $9.00; 3 ft., $12.50; 3½ ft., $18.00.

Hatfield Yew (T. Media Hatfieldi). Very heavy luxurient, dark green foliage. Upright and compact in habit. 2 ft., $7.50; 2½ ft., $8.75.

Hick's Yew (T. Media Hicksi). A distinct columnar form with rich, deep green foliage. 2 ft., $5.00; 2½ ft., $6.50; 3 ft., $8.50; 3½ ft., $10.50; 4 ft., $15.00.

For prices on larger sizes and other varieties ask for our nursery price list, ready about March 1st.

Vaughan's Irises

PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

Iris is the most effective if planted 3 of a kind in a clump.

★Indicates outstanding garden varieties.

OUTSTANDING VARIETIES

★Black Wings. 38 in. Velvety black buds opening to large flowers of intense midnight blue overlaid with a frosty black luster. A striking variety that is easily grown and deliciously fragrant. **40c.** 3 for **$1.00.**

★Buechly Giant. 40 in. This new variety has the largest flowers of any Iris we grow. It is a clear lavender blue bicolor that has the perfect form of Frieda Mohr. Will create a sensation in any garden. **40c;** 3 for **$1.00.**

★Crystal Beauty. 40 in. Large, perfectly shaped flowers of pure snow white on well branched stalks. **40c;** 3 for **$1.00.**

★Depute Nomblot. 50 in. This Dykes Medal Winner of 1930 is a magnificent Iris of greatest vigor. S. coppery-red, flushed golden bronze; F. rich claret crimson. The entire flowers seem lightly dusted with gold which sparkles in the sun. **35c;** 3 for **90c.**

★Frieda Mohr. 42 in. A gigantic lilac-pink bicolor 6½ inches from the top of the standards to the tip of the falls and 6 inches horizontally. **35c;** 3 for **90c.**

★Golden Treasure. 38 in. An exquisite new creamy yellow Iris with a glowing golden heart and rich yellow beard. Huge flowers and perfectly branched stems. **50c.**

Indian Hills. 37 in. A stunning Iris of clear rich wine purple. Its large blooms are of good substance and fine, oval form. They have great carrying power and make a glorious mass of color in the garden. **50c;** 3 for **$1.25.**

Morocco Rose. 38 in. S. lustrous pale pink, flushed deeper; F. deep rosalene pink, long and flaring. A beautiful creation of amazing size. **$1.50.**

Ormohr. 40 in. The flowers are of gigantic size, the standards beautifully domed, the falls broad and semi-flaring; substance excellent. The color is a soft gray lavender-veined violet with a rosy glow over all. **$1.50.**

★Rameses. 36 in. Dykes Medal 1932. A large blend of russet rose, pink and buff with a yellow glow at the center. **35c.**

★Sensation. 38 in. Enormous corn-flower blue flowers of perfect form and heavy substance. A perfect flower, the standards beautifully arched, the falls flaring and the stems tall and sturdy. **35c;** 3 for **90c.**

Venus de Milo. 40 in. Pure white with a rich creamy tone; perfect flowers of good substance. **35c;** 3 for **90c.**

Wm. Mohr. 26 in. One of the most remarkable Irises ever raised. The ground color is pale lilac, the standard flushed darker, and the whole flower is beautifully veined manganese-violet. The plants are small, but the blooms are simply immense. **40c;** 3 for **$1.00.**

Seven Iris Aristocrats $2.00

Catalogue Value $3.10 (Postage 10c Additional)

These are among the fifty finest Irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection. Your Iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

★Ethelwyn Dubuar. 38 in. Very fine large flowers of deep pink with delightful ruffling. Decidedly bigger and better than any other in its color class. **40c;** 3 for **$1.00.**

★Gudrun. 36 in. Enormous, well shaped flowers of lovely pure white, dusted with soft gold at the throat. Very fine. **40c;** 3 for **$1.00.**

★Junaluska. 40 in. One of the most beautiful Iris in existence. S. rosy copper threaded with gold; F. brilliant copper-red. Huge flowers of perfect form and heavy substance. Fine garden variety. **50c;** 3 for **$1.25.**

★Naranja. 40 in. One of the most talked of Iris originations. A large flowered yellow with a distinct orangy overcast on the falls. Decidedly and delightfully different. **40c;** 3 for **$1.00.**

★Red Dominion. 40 in. S. clear lustrous, deep red, slightly frilled. F. broad, horizontal, velvety red; nearly black. One of the most popular Iris grown. **40c;** 3 for **$1.00.**

★Sierra Blue. 48 in. Dykes Medal 1935. Enormous flowers of soft clear enamel-like blue, reminding one of the blue of the Sierra mountains. It has widely flaring falls, good substance, and a refined finish and graceful form that is really exceptional. **40c;** 3 for **$1.00.**

★Tiffany. 36 in. A sensational plicata creation in creamy yellow gaily stitched in a burnished rosy bronze. Hardy, free blooming plants that will create a refreshing atmosphere in your garden. **60c;** 3 for **$1.50.**

FALL BLOOMING IRISES

★Autumn King. 30 in. A blue-purple bicolor o fine size. **35c;** 3 for **90c.**

★Eleanor Roosevelt. 28 in. An outstanding variety of very fine deep velvety purple. Profuse bloomer twice a year. **40c.**

IRIS KAEMPFERI

Price, each 60c; 3 of one kind for $1.50.

Fascination. Magnificent double soft blue, flushed pink and veined white.

★Gold Bound. Double. White with gold-banded center. Earliest to bloom.

★Momigi-No-Taki. (Maple Waterfall). Bright rosy crimson feathered in white. Double.

★Purple and Gold. An enormous double of rich violet-purple with gold center.

Special Offer No. 93A. One each of above 4 named Kaempferi Irises (value $2.40) for **$1.95.** (Postage **10c** additional.)

Peonies

Edulis Superba. (7.6) Usually blooms for Decoration Day. The large flowers are a beautiful deep, vivid pink, and are borne profusely on tall, strong stems. Very fragrant. **75c.**

Felix Crousse. (8.4) Its large, globular flowers, are a brilliant, dazzling ruby-red, Late midseason. **75c.**

Mad. de Verneville. (7.9) Very full and double, pure white, center tinted blush. Exquisite rose fragrance. Very beautiful reliable bloomer; early. **75c.**

Special Offer No. 93B. One each of the above 3 Peonies (value $2.25) for **$1.85.** (Postage and Packing, **15c** additional.)

Festiva Maxima. (9.3) Large flowers, often 7 to 8 inches in diameter. Flowers pure white, dotted carmine. Fragrant; early. **75c.**

Frances Willard. (9.1) Very large blooms of exquisite blush-white. An extra fine flower for cutting or show. **$1.00.**

Georgiana Shaylor. (8.9) Large, flat, pale rose-pink with a few flecks of crimson. Strong grower and midseason bloomer. **90c.**

Grover Cleveland. (8.2) Rose type; late. Rich, dark crimson; a strong grower. **90c.**

Officinalis Rubra Plena. (8.6) This is the old-fashioned, brilliant, early red Peony. **$1.00.**

Therese. (9.5) Perfect blooms of immense size. Color violet-rose changing to lilac-white. Early midseason. **$1.25.**

Special Offer No. 93C. One each of Georgiana Shaylor, Grover Cleveland and Frances Willard (value $2.80), for **$2.25.** (Postage and Packing, **15c** additional.)

Small Fruits

All Prices F.O.B. Western Springs, Ill. (If wanted by mail, add 10c per 10, 15c per 25 or 25c per 50 for postage and packing).

On account of government restrictions, we cannot ship Small Fruits into or west of the States of Idaho, Colorado or Arizona.

BLACKBERRIES—Price, 3 for **85c;** 10 for **$2.00;** 25 for **$4.50;** 50 for **$7.50.**

Alfred. Mammoth berries, almost coreless.

Eldorado. Enormous yielder of large berries.

BOYSENBERRY (Thornless). Sensational new fruit. Huge berries of rich purplish maroon. Very sweet; delicious flavor; few seeds. Price, 3 for **$1.50;** 6 for **$2.50;** 10 for **$3.75;** 25 for **$7.50.**

RASPBERRIES—Price, 3 for **$1.00;** 10 for **$2.50;** 25 for **$5.50;** 50 for **$10.00.**

Cumberland (Black). Extra large, oval, rich and juicy. Good quality; very productive.

Indian Summer—The Best Everbearing Red Raspberry. Large berries of high quality ripen early and then produce a second crop in Sept. and Oct

Latham (Red). Berries are immense, dark red in color and well flavored. Extremely hardy.

Morrison (New Black). An extra large berry of high quality; not as seedy as most blackcaps

Sodus (New Purple). Very heavy yielder of fine berries for home use. Large fruit; distinct flavor

Sunrise (New Red). Extra early variety of large size and fine flavor. Very hardy.

Washington (Red). An abundant producer of high quality fruit for freezing or canning.

GRAPES—Price, 2 yr. No. 1 each, **75c;** 3 of one kind for **$1.75;** 10 for **$5.00.**

Caco (Red). The most beautiful of the hardy grapes. Bunches large and compact, fruit sweet and palatable weeks before fully ripe.

Catawba (Red). Large bunches of coppery-red fruit. Late bearing; excellent for grape juice.

Concord (Black). The most popular grape in America. Large, handsome bunches of large, luscious berries; juicy, sweet and tender. Very productive.

Fredonia (Black). The earliest good black grape, ripening about three weeks before most varieties. Clusters medium; berries large, of very good quality.

Niagara (White). Large, handsome, very sweet.

Portland (White). This is the earliest of all grapes. Large in bunch and berry; flesh sweet, juicy and of fine color. Hardy, vigorous, productive.

Sheridan (Black). Valuable new grape that is expected to replace Concord, which it surpasses in many regions. Large in bunch and berry; keeps and ships well. Good quality.

SPECIAL OFFER No. 93D. One each of grapes Caco, Fredonia, Portland and Sheridan (value $3.00) for **$1.95.** (Postage and packing, **15c** additional.)

Newest Improved Sprays and Dusts

Add Postage According to Weight and Zone (Page 8). Shipping weights, pint, 2 lbs.; qt., 3 lbs.; gal., 10 lbs.

ACME RED RIVER POTATO MIX (Special Formula for Potatoes). A new patented copper fungicide with quick killing arsenic. Drives off Flea Beetle and Leafhopper and prevents Blight from gaining a foothold. Stimulates foliage, making more and better potatoes. Complete control in one operation. Can be used as a dust or spray. Ceiling prices, 1 lb. bag, 35c; 4 lb. bag, 85c; carton, 48 lbs., $9.00.

ACME WETTABLE DUSTING SULPHUR. An improved dusting sulphur recommended to control Mildew, Leaf Spot, Black Spot, and Rust on rose bushes, chrysanthemums, snapdragons and other foliage, also Red Spiders on Evergreens. Will control chiggers in the lawn. Ceiling prices, 2 lb. Shaker top package, 35c; 4 lb. bag, 60c.

ACME COPPER QUEEN. A strong liquid copper spray for control of mildew, leaf spot, and black spot on roses, flowers and plants. Ceiling prices, 8-oz. can, 35c; pt., 60c; qt., 95c; gal., $2.25.

ACME COPPER SHIELD PRUNING PAINT. Prepared liquid paint containing copper, for treating wounds to prevent hard rot fungus and other fungi. Ceiling prices, pt., 45c; qt., 75c; gal., $2.35.

ACME GARDEN GUARD. A strong, safe rotenone dust in 1-lb. shaker top cans. Ceiling prices, each, 40c; postpaid, 50c; 6 lb. pkg., $1.10.

ACME SCIENTIFIC ROSE SPRAY. Consists of three elements A. B. C. for complete protection from sucking and chewing insects, black spot and other fungus diseases. The number indicates number of gallons of spray each set will make. Ceiling prices, No. 3 set, 95c; No. 6 set, $1.50; No. 24 set, $4.00; No. 48 set, $6.00; No. 96 set, $9.75.

ANTROL. Sets containing 4 jars and 4-oz. bottle of syrup. Ceiling price, 60c; extra jars each, 10c. 4-oz. bottle syrup, 25c. Pint bottle of syrup, 50c; gal., $2.75.

ANTROL ANT TRAPS. Kill both sweet and grease eating ants. Ceiling prices, each, 10c; 6 for 50c.

ANTROL READY FILLED SETS. Consisting of four patented glass "feeders" filled with regular antrol syrup. Ceiling price, per set, 40c.

APHIS SPRAY. Improved Nicotine Spray. Combining a soft fish-oil soap with black leaf 40. Ceiling prices, per 3-oz. tube, 35c; 12-oz. tube, $1.00.

ARSENATE OF LEAD (Dry). For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. Ceiling prices, 1 lb. carton, 35c; 4 lbs., 95c; case of 24 lbs., $4.85; 100 lbs., $16.00.

BLACK ARROW DUST. A non-poisonous pyrethrum dust, effective against many insects. Ceiling prices, 2 lb. bag, 50c.

BLACK LEAF 40 is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully. Ceiling prices, 1-oz. bottle, 36c; 5-oz. can, $1.05, makes 40 to 100 gallons; 1-lb. bottle, $2.50, makes 40 to 200 gallons; 2-lb. can, $3.70, makes 200 to 500 gallons; 5-lb. can, $6.90, makes 400 to 1000 gallons; 10-lb. can, $11.65, makes 840 to 2100 gallons.

BORDEAUX MIXTURE (Dry). The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Ceiling prices, lb., 35c; 4 lbs., 95c; case of 24 lbs., $4.85.

BUG-A-BOO GARDEN SPRAY. Containing Rotenone. The ideal spray for vegetable crops. Ceiling prices, 4 oz. bottle, 50c; 8 oz. bottle, 75c. Postage, 10c extra.

BUG GUN. A practical self-dusting package, consisting of Rotenone, all ready to use. Complete with dust. Ceiling price, each, 50c, postpaid, 60c.

CALCIUM, ARSENATE (Dry). Ceiling prices, lb., 35c; 4 lbs., 85c.

CARBON DISULPHIDE. For ants and cut worms. (By express only.) Ceiling price, 1 lb., 60c.

CYANOGAS CALCIUM CYANIDE "G." Greenhouse fumigant. For aphis, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. Ceiling prices, 5 lbs., $3.00; 25 lbs., $10.00; 100 lbs., $30.00. (By express only.) Write for leaflet.

CYANOGAS A. DUST. Kills ants, moles, mice, rats, groundhogs and prairie dogs. (By express only.) Ceiling prices, 4-oz. tin, 30c; 1 lb., 75c; 5 lbs., $3.00; 25 lbs., $10.00; 100 lbs., $30.00.

DOG-SHOO. Keeps dogs and cats away from evergreens, shrubs, posts, walls or any place where they are not wanted. Leaves an odor scarcely noticeable by humans but very offensive to animals. Ceiling prices, qt., 85c; gal., $1.95.

DOGZOFF. Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. Ceiling price, per bottle, 60c; by mail, 70c.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Ceiling prices, lb., 35c; 5 lbs., $1.50; 25 lbs., $4.50; 100 lbs., $12.50.

ROTOTEC

The ideal Home Garden spray insecticide. Contains full amount of Rotenone necessary for good insect control. The toxic principles of Rotenone bearing roots are carefully extracted and dissolved in the mild vegetable type oil that protects and amplifies the effectiveness of the Rotenone. Safe to use on practically all plants. Can be used in combination with other insecticides and fungicides. Particularly effective in the control of many types of beetles such as, Mexican Bean Beetle, and Potato Flea Beetle, Cabbage Worms, Plant Lice, Aphids and Thrip, etc. Ceiling prices, 1 oz. bottle, 35c; 4 oz. bottle, $1.00; pint, $2.75. Ounce makes 4 to 6 gallons spraying solution.

DENDROL. A dormant spray oil. Ceiling prices, gal., $1.25; 5-gal. drum, $5.00; 15-gal drum, $9.00.

DX PYRETHRUM. Liquid spray. Ceiling prices, 1½ oz. bottle, 35c; 1½ pint bottle, $1.25.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Ceiling prices, lb., 35c; 5 lbs., $1.50; 10 lbs., $2.50.

FLOWERS OF SULPHUR. For dusting. Ceiling prices, lb., 15c; 10 lbs., $1.00; 50 lbs., $3.00; 100 lbs., $5.50.

FORMACIDE FORMALDEHYDE DUST. Control "damping off" of flower and vegetable seedlings. Ceiling prices, 1 lb., 85c; 5 lbs., $2.50; 25 lbs., $10.00; 50 lbs., $17.50.

FUNGINE. New remedy for mildew, rust and other fungus diseases; for greenhouse and outdoor use. Ceiling prices, pt., 65c; qt., $1.10; gal., $3.00.

FUNGTROGEN. A preventive and remedy for mildew, black spot, and many fungus diseases of roses and other plants. Ceiling prices, ½ pt., 75c; pt., $1.25; qt., $2.00; gal., $6.00.

GRAPE AND ROSE DUST. Excellent for the prevention and destruction of mildew on plants. Ceiling prices, lb., 35c; 5 lbs., $1.25; 25 lbs., $6.25.

KALITE. Rotenone impregnated dust for Victory Gardens. Ceiling prices, 1 lb. pkg., 35c; 4 lb. bag, $1.00; 25 lb. bag, $3.75.

KRYOCIDE. Can be used as a spray or dust, highly effective in controlling many chewing insects. Ceiling price, 1 lb., 35c.

KRYOCIDE D50 with sulphur. A combination insecticide and fungicide for chewing insects. Contains natural cryolite. Ceiling price, 1 lb., 50c; 3 lbs., 85c.

LEMON OIL. Destroys mealy bug, scale, red spider. Ceiling prices, ½ pt., 35c; pt., 60c; qt., $1.00; ½ gal., $1.75; gal., $3.00, 5 gals., $12.00.

MAGNETIC SPRAY Wettable Sulphur. Can be used as a combination spray with other insecticides. Ceiling prices, 4-lb. bag, 60c; 24 lbs., $2.75.

NAPTHALENE FLAKES. Ceiling prices, 1 lb., 40c; 5 lbs., $1.50; 10 lbs., $2.75; 25 lbs., $6.25.

NICO-FUME POWDER PRESSURE FUMIGATOR. Is now burned under pressure in the can in which it is packed. Ceiling prices, ½-lb. can, 60c; doz., $6.00; 1-lb. can, $1.00; doz., $9.00.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent nicotine. Ceiling prices, 1 lb., $2.50; 4 lbs., $7.10; 8 lbs., $13.00.

NICOTINE PYROX. For chewing and sucking insects. Ceiling prices, 20 oz. jar, 60c; 5 lbs., $2.00.

NNOR GARDEN SPRAY. Containing Rotenone. A very effective and tried insecticide for controlling chewing and sucking insects. Ceiling prices, 1 oz. bottle, 35c; 6 oz., $1.00; 16 oz., $2.15; gallon, $13.50.

PARA-SCALECIDE. A prepared combination of Scalecide and paradichlorbenzene. A liquid treatment for peach borer control. Safe to use on peach trees of all ages. Simple, effective and inexpensive to use. Can be used to control all borers. One gallon makes eight. Ceiling prices, quart, 85c; gallon, $2.25; 5 gallons, $7.25.

PARIS GREEN. A poisonous insecticide in powder form; for insects which chew. Ceiling prices, ¼ lb., 20c; per lb., 55c; 5 lbs., $2.50; 14 lbs., $6.00.

PENETROL. An activator for nicotine spraying solutions. Ceiling prices, qt., 85c; gal., $2.00; 5 gals., $7.50.

PINE TAR. For tree surgery. Stops bleeding of the sap. Ceiling prices, pint, 40c; qt., 75c; gal., $1.75.

POMO GREEN. Without nicotine. The new green fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Ceiling prices, lb., 50c; 5 lbs., $1.75; 25 lbs., $8.00.

POMO GREEN. With nicotine. Ceiling prices, lb., 75c; 5 lbs., $3.00.

PYRETHRUM POWDER. Ceiling prices, lb., 85c; 5 lbs., $3.75; 10 lbs., $6.75.

PYROX. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water sprays without clogging and sticks to foliage. Ceiling prices, 25 lbs., $5.75; 50 lbs., $8.35.

RED ARROW DUST. Contains Rotenone and Sulphur. Ceiling prices, 2 lb. bag, 50c; 24 lbs., $5.50.

RED ARROW Garden Spray. Non-poisonous, kills by contact, both chewing and sucking insects will not burn or stain tenderest foliage, ounce will make 4 to 8 gals. spraying solution. Ceiling prices, oz., 35c; 4 oz., $1; pt., $2.85.

ROTECIDE. Contact and stomach poison. Kills mites, mealy bug, beetles, thrips, aphis, etc. Ceiling prices, 35c; ½ pt., $1.00; pt., $1.75; qt., $3.00.

SCALECIDE. A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale and invigorates growth. Use 1 gal. to 15 gals. water Ceiling prices, qt., 75c; gal., $1.75; 5 gals., $6.35; 10 gals., $10.90. Write for price in barrel lots.

SELOCIDE. Kills red spiders. Ceiling prices, gal., $4.00; 5 gals., $16.75.

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. Ceiling prices, ½ oz., 10c; 2 oz., 40c; 1 lb., $2.50; 5 lbs., $11.40; 25 lbs., $52.50; 100 lbs., $198.00. Write for leaflets, stating for what purpose desired.

Special Semesan. Control for Brown Patch, Dollar Spot, etc. in Bent Lawns. Ceiling prices, 8 oz., $1.00; 6 lbs., $9.35; 25 lbs., $36.00; 100 lbs., $135.00.

Semesan Jr. For Sweet Corn. Ceiling prices, 1½ oz. package, 15c; 12 oz., 56c; 1 lb., 75c; 25 lb. pail, $12.50; 100 lbs., $45.00.

Semesan Bel. For Potatoes. Ceiling prices, 2 oz. tin, 30c; 1 lb., $1.65; 5 lbs., $7.15; 25 lbs., $33.25; 100 lbs., $125.00.

New Improved Ceresan. Ceiling prices, 4 oz. tin, 30c; 1 lb., 80c; 4 lbs., $2.70; 25 lbs., $15.00; 100 lbs., $55.00.

2% Ceresan. Ceiling prices, 1 lb., 75c; 5 lbs., $3.30; 25 lbs., $14.50; 100 lbs., $52.00.

Write for leaflets on Semesan, Semesan Jr., Semesan Bel. and Ceresans.

SLUG SHOT, Hammond's. Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. Ceiling prices, 1 lb., 30c; 5-lb. tin, $1.20; 25-lb. bag, $5.50; per keg, 125 lbs., $21.25; barrel, 250 lbs., in bulk, $36.00

SNAROL. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Ceiling prices, 1 lb., 25c; 10 lbs., $1.50.

SPORGO. A copper mildew spray for control of fungus diseases of plants. Ceiling price, 8 oz., 50c; 20 oz., $1.00.

STANLEY'S CROW REPELLENT. Protects seed corn from damage by crows, moles, squirrels, etc. Ceiling prices, ½ pt., 60c; pint, $1.00; qt., $1.75.

SULFOCIDE. A concentrated sulphur fungicide for fruits, vegetables and flowers. Ceiling prices, qt., $1.00; gal., $2.50.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. Ceiling prices, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $3.95.

TARTAR EMETIC. The new recommended spray for control of gladiolus thrip. Ceiling prices, ¼ lb., 35c; ½ lb., 60c; lb., $1.00.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Ceiling prices, pt., 90c; qt., $1.50; gal., $5.50.

TOBACCO DUST (Regular Grade). Ceiling prices, 5 lbs., 50c; 10 lbs., 85c; 100 lbs., $4.50.

TOBACCO STEMS. Ceiling prices, 100 lbs., $2.75; 500 lbs., $10.50; 1,000 lbs., $20.00.

TREE TANGLEFOOT. Perfect safeguard for trees. Ceiling prices, 6 oz., 45c; lb., 80c; 5 lbs., $3.75; 10 lbs., $7.00; 25 lbs., $15.00.

TRIO-GEN. Combined spray treatment fungicide-insecticide and plant stimulant. A complete protection against plant insects and diseases. Ceiling prices. A, small kit, makes 16 qts., $1.50; B, medium kit, makes 64 qts., $4.00; C, large kit, makes 32 gals., $6.00; D, estate kit, makes 128 gals., $20.00.

VERMINE. For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. Ceiling prices, ½ pt., 45c; pt., 75c; qt., $1.10; gal., $3.00.

VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphis and thrips. Ceiling prices, ½ pt., 35c; pint, 50c; ½ gal., $1.25; 5 gals., $11.00. Price of 5 gal. size includes $2.00 charge for container. Container is returnable for credit if in good condition and returned prepaid to us.

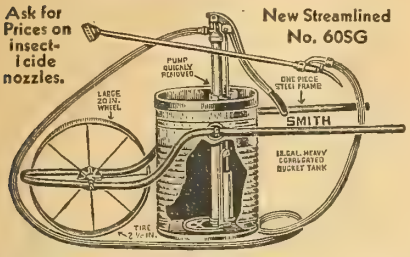
WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphis, red spider, mildew, scale, etc. Ceiling price, ½ pt. 40c; qt. $1.00; gal., $3.00; 5 gals., $12.00.

Sprayers and Dusters for Insecticides

WHEELBARROW SPRAYER

Ask for Prices on insecticide nozzles.

New Streamlined No. 60SG



Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or whitewash. With extra long handle and large air chamber, fittings, steel extension, develops 250 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gallons. Fully equipped with hose, nozzle, etc. $27.50. Shipping weight, 80 lbs.

No. 60 S.P.G. Same as above, but with pressure tank and gauge and iron wheel. Price, $41.50.

STANDARD SPRAY PUMP

This pump is a bucket, barrel or knapsack pump as desired. Price, $4.00; with knapsack and curved extension, $10.00.

New E-Z 5-Gal. Knapsack Sprayer

Diaphragm type pump maintains high pressure until last drop of liquid is discharged. Very easy to operate. Tank holds 5 gallons. Equipped with 3 ft. hose, 2 ft. brass extension rod, automatic shut-off and adjustable nozzle. For all field crops, shrubs, etc. Galv. tank, $21.45.

PNEUMATIC SPRAYER

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size has extra nozzle for underleaf spraying. Galv. tank, $1.50; tin, $1.25.

ARNOLD VICTORY SPRAYER

Cartridge easily inserted into this sprayer. The passage of water through this sprayer dissolves cartridge and applies insecticides and fungicides effectively. Price, each, $1.00, postpaid, $1.10.

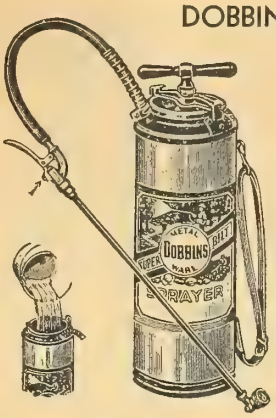
CARTRIDGES for the above sprayer can also be used on the Arnold Garden Hose Sprayer. We can supply Nicotine, Sulphur, Bordeaux, Arsenate of Lead, Kryocide and Vitamin B¹ cartridges, price, each, 35c; 3 for $1.00; dozen, $3.85.

FERTILIZER APPLICATOR

(Fertilizes as you Sprinkle)

Make fertilizing as easy as sprinkling your lawn. Fertilize through your hose. Mixes the right amount of ammonium sulphate, nitrate of soda, potash or any soluble fertilizer with the water with which you sprinkle your lawn. One end screws into the faucet, the other end takes the hose, the small tube drops into the bucket of fertilizer. Made of die cast metal. Price, **$1.95**; postpaid, **$2.10.**

DOBBIN'S BIGHEAD SPRAYER



5⅛" diameter opening. Easy to fill, drain and clean. Positive quick sealing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Brass shut-off with trigger quick spray lock. Universal nozzle, sprays at any angle. Will handle all spray solutions. 4 gallon capacity.

No. 44G Galvanized tank. Each, $8.00.

HAND SPRAYER, 60c

Full qt. size.

SMITH'S SPECIAL SPRAYER

A durable, low priced sprayer, has a funnel top, made of heavy steel or solid brass tank as illustrated. 3½ gallon capacity.

Price, galvanized, $7.50.

Hayes-Ette Garden Spray

This little sprayer does the work of the larger type sprayer. Weight a little over a pound filled. Simply attach to your garden hose. Operates on 20 to 150 lb. water pressure. Capacity 1½ gal. of mixed spray material. Can also be used for spraying shrubs and vines. $2.95.

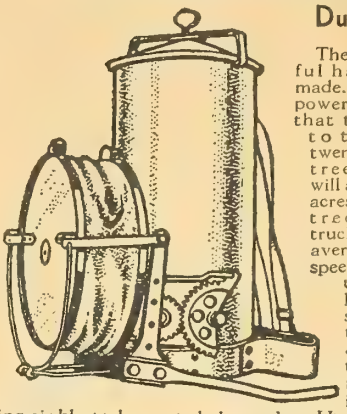
Hayes Jr. Spray Gun

All Purpose Sprayer. Makes 3 gals. of mixed spray material at a time. Sprays liquid and most wettable powders, up, down and sideways. Attach to your garden hose. Gives you the efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 75 lbs. No moving parts to wear out or break. Each, **$5.95.**

NEW STREAMLINED HARCO SPRAYER

Get Penetrating Spray quickly, easily with this brand new, efficient, easy-to-use Harco sprayer. Harco, plus good liquid insecticide means quick, certain death to garden-blighting insects and destructive fungus pests. Harco's conveniently long extension rod sends a penetrating spray right where it is most needed for effective garden pest control. Each, $2.35.

The American Beauty Dust Sprayer

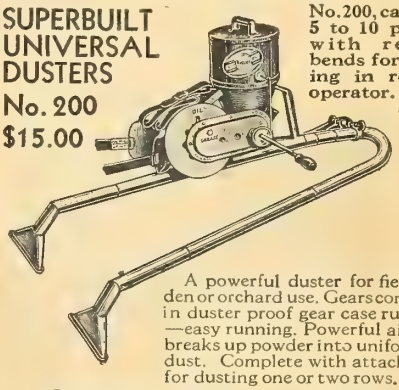


The most powerful hand duster made. Has a large, powerful bellows that throws dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts under side of leaves. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. $25.00.

SUPERBUILT UNIVERSAL DUSTERS

No. 200

$15.00



No. 200, capacity 5 to 10 pounds with return bends for dusting in rear of operator. Each, $15.00.

A powerful duster for field, garden or orchard use. Gears contained in duster proof gear case run in oil—easy running. Powerful air blast breaks up powder into uniform size dust. Complete with attachments for dusting one or two rows.

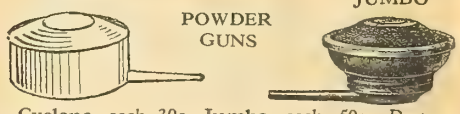
FEENEY MODEL B DUSTER

Splendid Hand Duster. Each, $1.00, postpaid, $1.10.

CYCLONE

POWDER GUNS

JUMBO



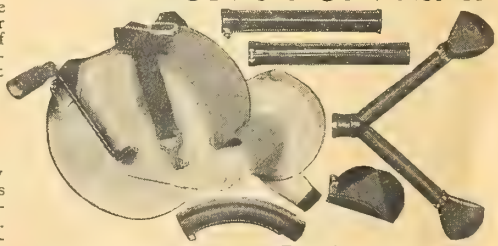
Cyclone, each, 30c. **Jumbo,** each, 50c. Postage extra, each, 5c.

Dobbin's Improved Hand Duster

Recommended for applying Pyrethrum, Rotenone, Derris Root. A uniform discharge down to the last particle of dust. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity 1 lb., equipped with two-way dust cap.

No. 132 Duster.....Each, $1.50, postpaid, $1.75

CHALLENGE DUST GUN No. C3



For Dusting Rotenone, Pyrethrum Dust, etc. Adjustable to all conditions. Made so the discharge nozzle may be swung from front to rear of operator and can be raised or lowered for high or low plants. Operator can always work in upright comfortable position. Each, $19.80.

For Smaller Duster, See Page 96

Dusters, Protectors, Bird Houses

ACME TOMATO DUST PUMP GUN

Contains basic copper arsenate. The latest improvement in the insecticide field containing a safe arsenical for controling the tomato worm and the tomato fruit worm as well as the early and late blight and other fungus diseases which infest the tomato plant. Will not cause worm wilt. A full pound in a pump gun duster package ready to use, each, **59c**, postpaid, **69c.**

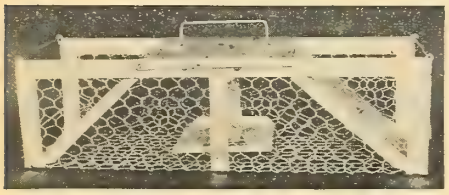
Rotenone Garden Guard Pump Gun

The old proven Rotenone insecticide which controls both sucking and eating insects. A full pound in a pump gun duster ready to use, each, **59c**, postpaid. **69c.**

Victory Garden Rabbit Repellent

With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repelling "naturals" so that an application should last several weeks. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. Price 1 lb. pkg. **45c**, 5 lb. bag **$1.75.**

HAVAHART ANIMAL TRAPS



No. 1 — 5x5x18 in. For weasles, rats and chipmunks, each, **$2.50.**

No. 2 — 7x7x24 in. For muskrats, minks, squirrels and rabbits, each, **$3.50.**

Rodent Rockets

...THE EASY WAY

Novel, effective destroyers; strike like a match and blitz out whole families of gophers, moles, rats, field mice, ants, etc., at one "shot." Safe, sure, efficient aids to hunters in "un-treeing" holed-up woodchucks, raccoons, etc 3 for **25c**; doz., **95c.**

Chaperone Powder Dog Repellent

A new household dog repellent for keeping dogs off rugs and furniture. Odorless to humans and does not stain, but is very repulsive to dogs. 1 oz. tin, **50c**; large size, **$1.00.**

Chaperone Liquid Dog Repellent

For outdoor and garden use. Keeps dogs away longer from trees, shrubs and plants than most liquid repellents. 4 oz. bottle, **50c**; 12 oz. can, **$1.00.**

PUSSY SCAT

Powder repellent for household use keeps cats away from furniture, curtains, drapes, clothing, etc. Trial size can, **25c**; large size can, **$1.00**, postpaid, **$1.10.**

HOTKAPS

These plant protectors mean larger, earlier, premium crops.

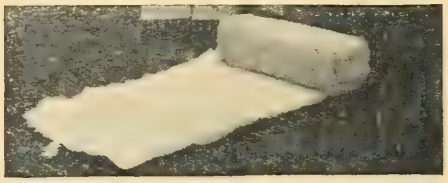
Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around them, Hotkaps become individual miniature hothouses.

Hotkap Setter. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself, with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime.

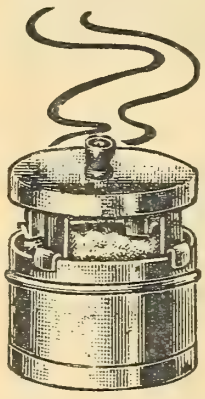
Prices: 1,000 lots, $11.00; 5,000 lots, $10.75 per M; 10,000 lots, $10.50 per M; 250 Trial Package including Fibreboard Setter with Tamper, $3.50; 100 Home Package, including Fibreboard Setter with Tamper, $1.95. Wt.: 1,000 package HOTKAPS, 28 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Fibreboard Hotkap Setter, 3 lbs.; Fibreboard Setter alone, **25c.**

Special Victory Garden Packages Hotkaps

Including setter. Package of 25 Hotkaps and cardboard setter, **50c**, postpaid **65c**; package of 100, including fibreboard setter, **$1.95**, postpaid, **$2.25.**

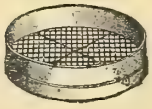


Glass Wool Mulch. Protection and perfect mulch for your prized Plants and Shrubs; has been proved superior to all other mulches for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres, put up in bats; 24" x 96" in size and approximately 1½ inches thick at 1½ lbs. per cubic foot density. Price, per bat, **95c**; three for **$2.65**; carton of 12, **$8.95.**



EVER-READY SMUDGE STOVES

Will drive away mosquitoes, flie and insects. Has a pleasant odor, lasts from 14 to 24 hours. Each, **35c**; doz., **$3.60.**



Sieves. For sifting soil. 18 inches in diameter, all size mesh from ¼ to ½ inch. Each, **$2.00.**

Protect Your Hands With Camcox Cremeglove

Protects hands from oils, paints, grease, grime, and dirt—a protection for your hands in the garden, housework, etc., gives you the freedom of bare hands with the protection gloves afford. Price, 8 oz. jar, **35c**; postpaid, **45c**; 16 oz. jar, **60c**; postpaid, **75c.**

BASKET-MAKING MATERIALS

Add postage to your order if to go by mail.

The Raffia which we import is the finest grade to be obtained. Besides the natural shade, we have it in 12 different colors: dark red, Irish-green, olive-green, pea-green, navy-blue, seal-brown, orange, black, old gold, pink, purple, and bright red.

Raffia Fibre for Baskets, Etc.

	5-lb. Lots	Bunch Lb	Per Lb.
Natural, Best Grade, about 2 oz.	$0.20	$0.95	$0.90
Colored, about 1 oz.	.20	1.30	1.25

AUTOMATIC BIRD FEEDERS

(Patented)

An economical feeder for all kinds of seeds, cracked corn or other small food.

If filled with sunflower seeds, it unfailingly attracts Cardinals rose-breasted Grosbeaks, Finches and many other large as well as small pretty birds all year around.

Birds enjoy swinging with the feeder. Each, **$2.00**; 3 for **$5.75.**

WREN HOUSE No. 16

This time tested stepkut house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, **$1.50**; white and green, each, **$1.75.**

Blue Bird House No. 5 similar to the above, stained brown, **$1.25.**

MARTIN HOUSE No. X315

Twenty compartment house, two stories high, unpainted, **$15.00.** Painted two coats in white and green, **$18.00.**

Twenty-eight compartment house, three stories high, unpainted, **$18.00.** Painted two coats white and green **$21.00.** Crating charge **$1.00** extra.

ROBIN ROOST No. 4

Robins will not occupy a nesting box, but insist on a covered sheltered shelf which allows them to see on at least three sides. Stained brown — each, **$1.50**; 3 for **$4.25.**

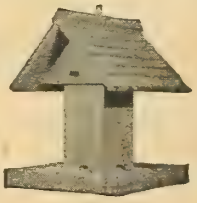
No. FS 21. Garden Craft Feeding Station

This is one of the most successful and appreciated bird feeders. It is equipped with a spindle for mounting, and the double weather vane keeps the sheltered end headed into the wind, thus keeping the food dry in rainy or snowy weather.

Size 24x12x12. Shipping weight, 16 lbs.

Price stained brown	$6.00
Price stained with glass back	8.25
Erection Post bored for mounting rod	1.50

No. FS. 10. Garden Craft Bird Feeder



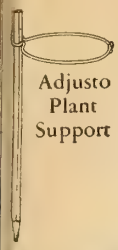
This cleverly constructed feeder will provide endless pleasure and satisfaction for bird lovers. You will be more than repaid for your generosity in providing food for your feathered friends during the early spring, late fall and winter, by their appreciation. Size 8x3x10 in. Shipping weight, 3 lbs.

Price	$1.75
Erection pole with arm	$1.25

SEAL-A-SEME

A specially prepared material for repairing leaky metal containers such as cans, vases, buckets, etc.; easily applied; brine proof. 1 lb can, **$1.00**; 5 lbs., **$8.50.**

Plant Supports, Labels, Chemical Aids



Adjusto Plant Support

Adjusto Plant Support

Has a unique self-locking adjustable feature causing the hoop to positively stay where put, yet it can be instantly adjusted to any height desired. The heavy green painted wood stake ⅞ inch square will stand firmly in the ground. The hoop is of 8 gauge galvanized wire, 13 inches in diameter, and may be opened up to put around large plants. 3 ft., doz., $3.00; 4 ft., doz., $3.50; 5 ft., doz., $3.85; extra wire hoops, doz., $1.65.

A sturdy hardwood stake 3 ft. long, over 1" diameter with pointed end. Has 2 holes to support rows of white ordinary clothesline or wire over ¼" diameter. Handy for circling trees and ornamental shrubs to repel dogs and prevent trespassing. Painted green to harmonize with lawn and garden. Can be used as a plant stake and can also be used on newly seeded lawns and flower beds. Price, per pkg. of 4, 60c; 3 pkgs. for $1.75.

Six Ft.—3 Tie Dahlia Stake

For Dahlias, Gladiolas, Young Fruit Trees, Vines, Pole Beans, Giant Peas, and a score of other needs. Made of rugged hardwood with 3 (¼") holes to regulate respective heights of tall growing flowers, vegetables, plants and vines. Price, per doz., $3.60; 3 doz. for $10.50.

TWISTEMS—Perfect Plant Ties

7 inches, put up 250 to a bundle. A very handy tie for tomatoes and other vegetable plants. Just a single twist of the wrist and the plant is tied. Price, 7 in. per bundle of 250, 50c.

STAKES—HEAVY TONKIN. Natural Color.
Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime. F.O.B. N. Y. F.O.B. Chicago.

Length	Diameter	Doz.	100	Doz.	100
4 ft.	½ to ⅝ inch	$1.65	$ 9.25	$1.85	$ 9.50
5 ft.	⅝ to ¾ inch	2.00	10.25	2.25	11.00
6 ft.	⅝ to ¾ inch	2.25	12.00	2.45	12.50
8 ft.	⅝ to ¾ inch	2.50	13.50	2.75	14.50

STAKES—WOODEN. Painted Green.
Heavy Grade (for Dahlias)

	Per doz.	Per 100
3 ft.	$1.60	$10.50
4 ft.	1.95	13.50
5 ft.	2.50	16.50
6 ft.	2.95	20.50

Light Grade (for smaller plants).

	Per doz.	100		Per doz.	100
1½ ft.	$0.40	$2.20	3½ ft.	$1.25	$ 8.75
2 ft.	.60	3.65	4 ft.	1.60	10.50
2½ ft.	.95	4.95	5 ft.	2.25	13.95
3 ft.	1.10	6.95			

STAKES—BAMBOO. Painted Green.

	100	1000		100	1000
1½ ft.	$1.25	$5.00	3 ft.	$1.75	$ 9.50
2 ft.	1.40	7.00	3½ ft.	2.00	11.00
2½ ft.	1.60	8.00	4 ft.	2.25	12.50

Bamboo not painted, 6 ft. 2.95 26.50

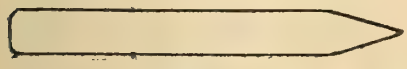
STAKES—Galvanized Wire.

No. 9 Wire	Doz.	100	No. 8 Wire	Doz.	100
1½ ft.	$0.40	$1.40	3½ ft.	$0.75	$2.85
2 ft.	.45	1.75	6 ft.	1.25	4.75
2½ ft.	.50	2.25			

Wayward Vine Guide and Support

For Training and Supporting Ivy, Small Fruiting Trees and all other Vines, etc. on Brick, Stucco, Stone and Cement Walls without Defacing. No Nails—No Holes. Price, box of 25, including cement, $1.00; postpaid, $1.10.

LABELS—Wooden. For pots, painted.



	100	1000		100	1000
4-inch	$0.50	$2.50	12-inch	$1.75	$13.95
6-inch	.65	3.95			

Tree, Labels Wired. 3½ in. 100, 65c; 1000, $3.80.
LABELS. Zinc, Tree. Wired 3¾ inches long, ¾ inch wide. Price, per doz., 30c; 100, $1.95.

USE A PENCIL - No fade-out of your markings.
Beauty, Strength, Permanence. Made of metal; green baked enamel finish.

Slip-over fool-proof metal cap with non-shatterable transparent window.

Stake 7" long; ample white marking space 2½" x 1⅛".

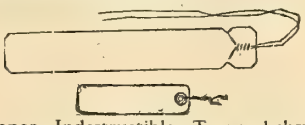
12 markers	$1.00
25 markers	2.00
50 markers	3.75
100 markers	7.00

Perma Label—New Improved Type

Made of Sorex. Since metal labels cannot be had any more, this is a very good substitute. This label should last at least a few seasons. It can be tied around a branch or shrub and tied with one loop. Ordinary pencil marking will not wash off. Price, per 100, 60c; 500 for $2.50; 1000 for $4.50.

Lead Labels

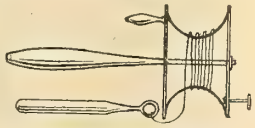
Same as illustrated above. These labels do not have hole. They can be tied around twig or limb with one loop. Made of soft lead, should last permanently. Price, per 100, $1.25; 500 for $5.50.



Copper. Indestructible. Tree and shrubbery, copper wired. Small, 30c doz.; 100, $1.95; large, 40c doz.; 100 for $2.65.

"GARDEN CHIEF MARKER"
Treated with a preservative that protects against decay.
Undercut groove contains white chemically treated waterproof name card, covered by a dirt-proof transparent window
Just use ordinary pencil, and the name will remain for years.
12-inch size, doz., 50c; 3 doz., $1.35.

No. 31 SIMPLEX Green Weather-Proof Plant Labels. Price includes copper wires for attaching and steel stylus for marking. No. 31, size, 3x½ inch, per doz., 40c; per 100, $2.50.



GARDEN LINE REEL. (Weight, 2 lbs.) Each, $1.65.
GARDEN LINE. Each heavy braided. Per 96 feet, $1.10; by mail, $1.20.
GRAFTING WAX. Per ¼ lb. bar, 25c; ½ lb. bar, 40c; 1 lb. bar, 65c.

GRAIN-O

Bigger yield at amazing low cost. Just dust Grain-O powder on all your garden and field seed. It inoculates it with hormones and vitamins; makes bigger rooted, drouth resistant plants; encourages healthier growth, increases yield. For corn, costs only ½c to 4c an acre. Packet sufficient for average garden, 25c. Popular 20-in-one size for market garden and small farm, contains 20 individual treatment packets, $1.00; pound size, $3.00.

BACTO

Make your own fertilizer easy, quick—often in little as three weeks. Just sprinkle Bacto on kitchen waste, leaves, garden rubbish, sewage sludge, etc. 5 lb. bag makes up to a ton of rich, soil-building organic humus, better than manure. Sprinkle in outdoor toilets, reduces odors, makes easily-handled ash of waste. 5 lb. bag $1.65; 25 lbs., $5.25; trial 4 oz. carton, 35c.

Zoom B1

The only liquid vitamin B1 plant growth stimulant with added chemicals to keep its strength indefinitely. 2-oz. dropper top bottle, enough to make 250 gallons of solution. Price, $1.00.

SEED-LESS-SET
HORMONE SPRAY

A new scientific development insures "set" of first tomato flowers which usually fall off during early spring; eliminates seeds; causes weeks earlier ripening; increases yield and size of fruit; pollinates self-sterile plants. Eight ounces, $1.00; quart, $3.00, prepaid; gallon, $9.00, by express.

PLANT STIM

This is a complete Hormone, including necessary vitamins for treating of transplants of all kinds. Besides containing root forming Hormones and Vitamin B1 and other members of the Vitamin B Complex which are important in plant growth, it has fungicidal value. Stimulates quick growth of transplants, and prevents wilt. Price, 3 oz. jar, 50c; lb. jar, $2.00, postpaid.

STIM ROOT

An improved rooting compound containing several different hormone-like chemicals in sufficient quantities to produce root stimulation in the hard type of cuttings, and still is safe to use on the softer, more easily injured plants. Also contains a fungicide that checks fungi that rot cuttings. A small amount of dust will coat each cutting evenly, making a pound go further. Price, ¾ oz. packet, 50c; 2 oz., $1.00; 1 lb., $5.00.

HORMODIN POWDERS
Stimulate Root Growth on Cuttings.

POWDER NO. 1. Designed primarily for use on Carnations, Chrysanthemums, Poinsettias, Roses, and similar types. Many house, garden, and greenhouse plants are included in the complete list. **Price,** 1¾ oz. pkg., each, 50c; 1 lb., $3.00.

POWDER NO. 2. Designed for use on less sensitive species, which comprise many of the semi-woody types and many of the common shrubs. **Price,** 1¾ oz., 75c; 1 lb., $4.50.

POWDER NO. 3. Designed for use with the more resistant species which comprise most of the evergreens and dormant leafless cuttings. **Price,** 1 oz., $1.00; ½ lb., $4.50.

The three Hormodin Powders are designed to cover the full propagating range with a one-dip treatment. Complete directions for each powder are included.

COMBINATION PACKAGE OF NO. 1-2-3. In one carton, each, 75c.

FLORALIFE

Makes your cut flowers live longer. Pkt. to make 1 qt. solution, each, 10c, three pkts. for 25c. Home size tin makes 30 qts., each, $1.00; 100 qt. size, each, $3.00; gift pkg., $1.00.

MACKWIN. LIQUID VITAMIN B1

One-half oz. bottle makes 120 gallons solution. Each, 35c, postpaid, 40c; 2 oz. bottle, $1.00. Vitamin B1 Crystals, hundred milligram bottle makes 2000 gallons each, $1.00.

Rootone

A hormone powder easy to use, anyone can apply safely, no skill is needed to apply Rootone, no measurements, no vials, no elaborate charts to follow, just dip and plant. Price, ¼ oz. pkg., 25c; 2 oz. jar, enough to treat 3,000 cuttings, $1.00; 1 lb. jar will treat up to 30,000 cuttings, $5.00.

Rootone No. 10. For rooting of Azaleas, and other woody cuttings. 2 oz. jar, $2.00; 1 lb. can, $10.00.
Write for leaflet; all postpaid.

FRUITONE

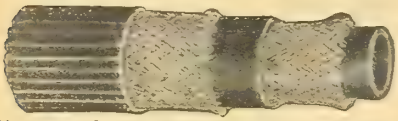
Hormone spray for preventing preharvest drop of apples. Holds apples on the tree longer. Fruitone sprayed on flowers produce better set of seed and fruit, such as tomatoes, and beans. 2/5 oz. pkg., 25c; 2 oz. can, $1.00, makes 25 gals. of spray; 12 oz. can, $5.00, makes 150 gals. of spray.

TRANSPLANTONE

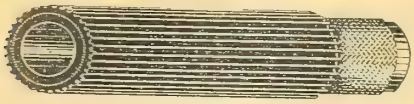
The most effective form of vitamin B1, contains plant hormone, vitamins B and C and other growth substances. One level teaspoon makes 10 gallons of solution, water your plants with Transplantone to get better roots, more vigorous growth and quality flowers. ½ oz., pkt., 25c; 3 ounce can, $1.00; 1 lb. can, $4.00.

Hose, Sprinklers, Weed Killers, Pots

WATER NON-KINKABLE HOSE



This is the finest grade of hose obtainable at this time. This is a two braid hose and is suitable for garden and greenhouse use. ¾ inch smooth cover. 50 ft. lengths. Coupled, $14.95.



A Good Grade Garden Hose, ⅝ inch, fitted with ¾ inch couplings. 50 foot length, $5.95.

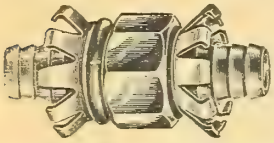
MIST-IC Fan-shaped Flat Spray

Made of plastic—light in weight and easy to handle, this slotted nozzle throws a perfect spray, and even fine fan-shaped flat spray that is just what gardeners want and need. Each, 50c; postpaid, 60c.

GARDEN CLUB PLASTIC ADJUSTABLE HOSE NOZZLE

Dark red finish. Adjustable for sprays, streams and shut-off, leak proof. It is a satisfactory wartime substitute for standard brass nozzle. Each, 75c; postpaid, 85c.

PLASTIC CLINCHER HOSE COUPLING



Tight grip, will not leak, easily applied. Made with dark green plastic body. The heavily plated steel fingers grip the hose tightly and make a leak-proof connection. The couplings have a large octagon shaped swivel. They are easily attached. Each, 40c; doz., $4.40.

PLASTIC CLINCHER HOSE MENDER

Price, each, 15c; doz., $1.30.

SOIL SOAKER

Soil Soaker for deep soaking, the water method approved by agricultural colleges and nurseries, now available for home use. Equipped with regular hose connection for attaching to hose or pipe. Price, No. 0, 12 ft., $1.40; No. 1, 18 ft., $1.90; No. 2, 30 ft., $2.90; No. 3, 50 ft., $4.75.

Tool Supply Limited

Our stocks of garden tools are not large, and replacements are uncertain, because of war restriction. Customers are advised to place their orders as early as possible, to insure delivery.

USE EROSIONET

For New Lawns, Weak Lawns, and Stubborn Terraces

Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2½ in. high. Width, 45 inches. Price per yd., 14c; 25 yd. lots, 13c per yd.; 100 yd. lots, 12½c per yd.; rolls of 250 yds., 12c per yd.

Flame Shooter Gun

General utility torch indispensable on the farm, garden, barn, etc., handy for cleaning out irrigation ditches, removing weed and destroying insect pests. 4 gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 100 lbs.; burns kerosene, range oil, stove or light furnace oil. Price complete, $18.95 (weight, 17 lbs.).

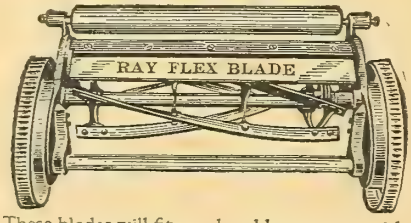
HOLE-IN-ONE PLANTING TOOL

Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil, leaving a perfectly flat-bottomed hole. Small hand tool for cultivated soil. Each, 65c; postpaid, 75c.

METAL LAWN SIGNS

These attractive signs have raised letters, baked enamel finish for long attractive service. Have center holes for attaching to stakes. Size, 3¾x12 inches. Colors, green on white and black on white. Sign wordings—**Please-Seeded—Keep off Grass.** Signs with stakes, each, 35c; six for $1.80.

RAY FLEX BLADES



These blades will fit any hand lawnmower with removable bed knife whether screwed or riveted. Are ever-sharp and unbreakable. Need no sharpening. Make mowers run 50 per cent easier. Used by leading Golf Courses, Cemeteries, Municipal Parks, Estates, etc. Sizes, 14 inch, 16 inch, 18 inch, 19 inch and 20 inch, price, each, $2.00.

Asbestos Torch

Practical for burning caterpillars, worms and other tree pests. It is a black lined ball, filled with asbestos fibre, so constructed that it can easily be attached to any pole. Dip the torch in kerosene and light. Ea., 50c; 3 for $1.35.

Knives

Budding and Prop. Two blades; white handle; brass caps. Each, $1.75; by mail, $1.85.
Propagating. "The Vaughan," best of all. Each, $1.75; by mail, $1.85.
Pruning. Stag handle. Each, $2.50; by mail, $2.60.

Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each, postpaid, 35c; 3 for $1.00.

MOSS. **MOSS Sphagnum.** Burlapped bales. Ea., $3.50.

HERBICIDE

THE WEED EXTERMINATOR

For ordinary grass and weeds, each part of Herbicidol may be diluted with forty to fifty parts of water. One gallon will cover app. 2,500 sq. ft. Herbicidol is a poison. Live stock should be kept off the treated ground until the dead leaves wither away. Qt., 75c; gal., $2.00; 5 gals., $7.50; 10 gals., $12.50; 55 gals., $44.00.

A $6.00 deposit is required on drums. Drums returnable prepaid for credit in good condition within 30 days

ZOTOX

CRAB GRASS KILLER

Kills both the plant and seeds of Crab Grass and checks reinfestation. It does not destroy lawn grasses and is non-injurious to soil. Simply mix with water and spray. When used as an over all spray, it kills dandelion, plantain, buckhorn, etc.—The 8 oz. bottle ($1.00 size) makes 5 gallons and treats 1,000 sq. ft. For spot treatment of small patches it goes much further. 8 oz. bottle, $1.00; 16 oz. bottle, $1.50; 32 oz., bottle, $2.50; 5 lb. bottle, $4.50.

GETZUM WEED GUN

Kills dandelions and other weeds without injury to lawn. Does not sterilize the soil. Does not corrode or rust metals. Insures easy and economic application. No stooping or back breaking. Place cane on crown of dandelion or weed and press handle lightly. A small amount of chemical is released and does all the work. Price complete with liquid, $1.75. Killer Kemical, pint, 30c.

Ornamental Lawn Fans

Most popular and inexpensive. Are most substantially built in natural wood finish.

No. 106—Height, 72 in. Spread, 42 in. Price, each, $2.00.

No. 108—Height, 96 in. Spread, 60 in. Price, each, $2.65.

Saxolin Duplex Crinkled Waterproof Tree Wrap

For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inches wide, about 155 ft. to a roll. Weight, about 2½ lbs. Ea., 75c; doz., $7.20.

Green Neponset Paper Pot

Especially adapted for growing.	Doz.	100	1000
2½-inch	$0.35	$1.30	$ 9.50
3-inch	.40	1.60	10.75
4-inch	.50	2.10	14.50
5-inch	.75	2.65	22.00

NEPONSET PAPER POTS (RED).

Made of waterproof paper, light, clean and unbreakable.

	Doz.	100	1000
2 -in.	$0.18	$0.75	$ 4.50
2¼-in.	.20	.85	5.25
2½-in.	.23	1.00	5.75
3 -in.	.28	1.25	6.85
3½-in.	.35	1.45	8.00
4 -in.	.40	1.65	9 45
5 -in.	.45	2.35	13.75
6 -in.	.50	2.60	17.00

Pruners, Cultivators, Seeders, Rakes

TELEPHONE TREE PRUNER HEAD ONLY

A strong rugged pruner with operating mechanism entirely in the pruner head. Can be fitted to any pole. Price, $2.00.

THE PORTER POINTCUT PRUNER

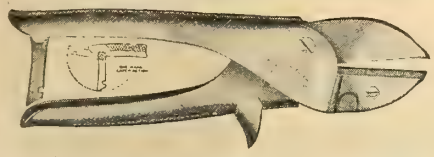
Designed for the fruit grower. Light in weight, 2½ lbs., 20 inches long. Easy to use in close places. $6.00.

No. 2—27 inches long, will cut branches up to 1½ inches in green wood. Each, $7.25.

No. 3—34 inches long for extra heavy pruning. Each, $8.50.

BUCKEYE PRUNER

A strong rugged pruner, handles reinforced by strap iron 20 inch, each, $2.50; 26 inch, $3.00.



Snap Cut Pruner. No. 906B. Heavy duty, full polished, $2.35.

SPADE. Razor Back. Rolled in backbone extending full length through blade frog and socket. Ceiling price, ea., $2.00.

SHOVEL. Razor Back. Same construction as spade. Ceiling price, each, $2.00.

California Pole Trimmer curved draw cut saw with crook for removing branches. Ceiling price, each, $3.00.

18-inch Double Edge Pruning Saw. Highest quality. Ceiling price, each, $2.25.

FORK. Lightweight Spading. True temper quality, handy for spading around shrubbery and perennials. Each $1.75.

PRUNING SHEAR—9 In.

With ratchet, high quality, each, $1.75; postpaid, $1.85.

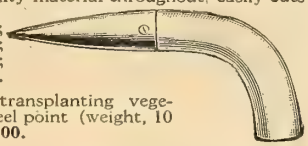
PORTER TWINCUT PROFESSIONAL ONE-HAND PRUNER

This pruner is drop forged from selected tool steel. The patented pivot bolt cannot tighten or loosen in use, yet can be easily adjusted. Equipped with new concealed locking device. Instantly locks or unlocks the closed tool with the touch of the thumb. 9 inches, full polish, price, each, $3.85; postpaid, $4.00.

STANDARD TREE PRUNERS

A popular tree pruner operated by lever connected to the blade by a strong wire. Practical service cable made of high quality material throughout, easily cuts 1 inch branches.

6 ft. each, $3.25;
8 ft. each, $3.50;
10 ft. each, $3.75;
12 ft. each, $3.95.



DIBBER. For transplanting vegetable plants, steel point (weight, 10 oz.). Each, $1.00.

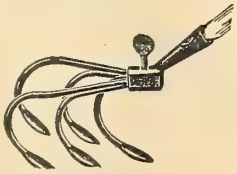
No. 110 Gardex Pull Hoe Weeder

This improved tool will do your weeding even in hard, dry and heavy soil. It will enter hard soil just as easily as light soil, cutting the roots of the weeds 2 to 3 inches deep. Made of specially rolled steel. The shares and cutting blades are sharp and resharpen while in use. Price: 5" width, $1.75; 8½" width, $2.25.

No. 1523 Gardex Cultivator, Weeder

Cultivate and weed with one tool. Important for every gardener. The 3-prong cultivator loosens the soil thoroughly while the weeding blade cuts off all weeds quickly. One tool for two purposes. Painted red, 3 prongs 4⅓" wide. Weeding blade 4" wide—without handle, $1.40.

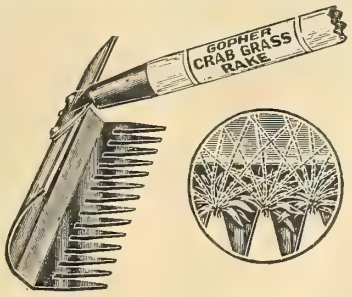
No. 1605 Gardex Interchangeable Garden Cultivator



The ideal tool, and the friend of many gardeners. A faithful helper for every woman who tends her own flower and vegetable garden. Loosens and air-conditions the soil in flower and vegetable gardens. The position and construction of the tines cause them to penetrate any soil easily, and they loosen and aerate the ground thoroughly with an easy pulling motion. No chopping hoe can do this job so evenly and neatly.

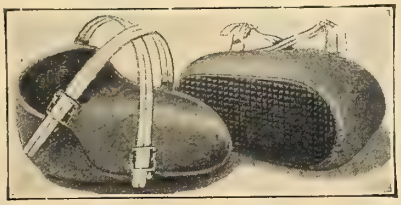
No. 1605—5 prongs adjustable width ¾" to 7"—with 5 ft. normal length Gardex handle.....$1.75

HANDY CRAB GRASS RAKE



This rake is formed so that the teeth pull flat on the sod; thus they get under the branches of the Crab Grass, shear off the entire head of the plants and keep them from further seeding. You can eliminate crab grass with this rake and not harm the other grasses; it will also pull out any weed that clings close to the ground. Each, $1.50.

KNEE PADS



All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip down. Price, $1.95; postpaid, $2.10.

SEED SOWER

Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, $3.25.

NEW HANDY SEEDER

This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time because you can sow seeds twice as fast. Price, each, 65c, postpaid.

THE SUDBURY HOME GARDENER'S SOIL TEST KIT

This simple, practical, easy-to-use kit is your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greenkeepers throughout the country. Tests for nitrogen, phosphorus, potash and acidity. It will make at least three separate tests for each element. No technical skill required. Results of tests are apparent immediately. The Sudbury Home Gardener's Soil Test Kit, complete with instructions and data on plant needs, $2.00.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. When ordering the above, it requires No. 2 and No. 3 to make Nitrogen Tests, No. 4 and No. 5 for Phosphorus Tests and No. 6 and No. 7 to make Potash Tests, therefore when ordering, please order two numbers. 2 oz., 75c; 6 oz., $1.50.

NEW CLUB MODEL KIT

(Suitable Gift Suggestion)

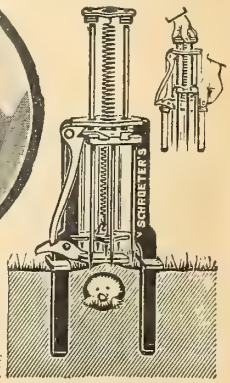
An inexpensive kit for garden clubs, 4-H clubs, etc. A very good value for amateurs. Cased in attractive imitation leather, makes a wonderful gift Each, $4.75.

CARBORUNDUM BRAND. Home and garden sharpening stone. For sharpening knives, shears, edgers, etc. 10¼ inches long over all. Fitted with a durable wood handle finished in red. Each, 85c, by mail, 95c.

Bergman Lawn Mower Sharpener

A high-grade, durable lawn mower sharpener, easy to use and adjustable to all types of machines. No danger of making low spots in the blades Price, $1.10.

MOLE TRAP



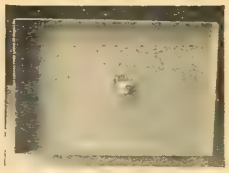
Improved with patented setting attachment. One of the best mole and gopher traps. Each, $2.00.

Mole Trap

Vaughan's Wick-fed

WOOD SEED STARTER

View of Wick-fed Starter with Plant Bands. Size, 12x18 inches, 4 inches high.



How wick is placed in bottom of starter.

End view showing water pan below.

COMPLETE, WITH FIBRE GLASS WICK, 60 PLANT BANDS, AND SPHAGNUM MOSS, FOR (Weight, 4½ lbs.) $2.50

This seed starter must not be confused with the fragile, impractical pasteboard devices which have disappointed so many customers. This is a full size "flat," made of heavy wood to last for years, stained pale green, which you will be glad to have in your sun parlor or living room window.

It makes use of two of the most recent scientific developments in seed starting: 1. Wick-feeding of water, which keeps the soil at just the right moisture, never drying out, never too wet, and never dripping dirty water from an overflow. 2. The use of sphagnum moss to prevent damping off of seedlings, highly recommended by the U. S. D. A.

As shown in the illustrations, water is supplied to the soil from a pan placed underneath the starter, by the agency of capillary attraction, through a fibre glass wick, the top of which is frayed and embedded in the soil, the lower end being immersed in water in the pan below. Any suitable pan, saucer, or dish can be used.

Fill this container with water daily, and the wick will do the rest. This method of watering leaves nothing to chance or judgment, and solves in the easiest imaginable way one of the most serious problems of seed-box management. It has been thoroughly tested by Cornell University. The wick will last indefinitely.

Seeds may be sown in the starter in rows, broadcast or, as shown in the illustration, in plant bands. If started in plant bands, and grown one plant to a band, sturdy full size pot plants will be produced without transplanting. Seedlings may be easily transplanted into plant bands, if preferred.

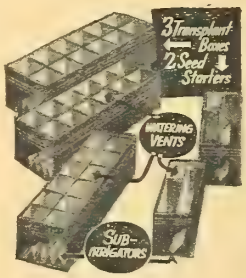
PLANT BANDS

Made of waterproof, mildew resistant material. **Will last a full growing season.**
50—1¾ in., per package, **20c**; postpaid, **25c.**
36—2½ in., per package, **20c**; postpaid, **25c.**

The Green Thumb Window Garden

To start seeds in the house, and grow transplanted seedlings into sturdy individually potted plants. Two seed starters are provided, having a total capacity of five to ten dozen seedlings. Also three transplant boxes, fitted with 33 plant bands, in each of which a seedling can be grown into a pot-plant.

All five boxes, with the trays and bands fitted into them, are made of waterproofed paper board. They are narrow enough to fit on a window sill. A self-watering feature, providing irrigation from below, reduces watering to a matter of adding measured quantities once or twice a week.



RG33 consists of the five boxes described, with 33 plant bands, packaged in a 4-color envelope, complete for **79c**; postpaid, **90c.**

DeLuxe Seed Starter and Pot Combination

This equipment is similar in a general way to that described above except that instead of plant bands, round pots are used, and no container for these pots is provided. The seed starter has a capacity of six to twelve dozen seedlings which should be transplanted to the pots.

No. R.G.50, consists of seed starter and 50 2¼-inch pots, for **89c**; postpaid, **$1.00.**

Window Sill Greenhouse

Capacity, 30 to 60 seedlings, 22 pot plants. Made of mildew resistant waterproof material.
R B 22, each, **29c**; postpaid, **36c.**

CUT WORM PROTECTOR

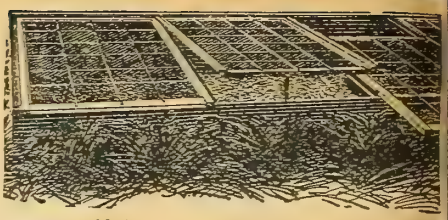
Made of waterproof heavy fibre resin material. Does not disintegrate in the ground. 3 inches in height and 3 inches in diameter. Easy to place around a plant with a simple lock.

RA-50, 50 to a package, per package, **25c**; postpaid, **35c.**

HOTBED MATS for protecting hotbeds. Made of poplin materials, vat dyed and Sanforized to make them dampproof. 76x40 inches—each, $5.75; dozen, $65.00; 76x76 inches—each, $8.50; dozen, $98.00.

PUTTIROPE. Improvement for glazing, and caulking. Easy to apply, won't deteriorate. Price, per box, 100 ft., $1.35; 1000 ft., $6.75.

HOTBED SASH



HOTBED SASH. 3x6 feet. 1⅜ inches thick, made from either Cypress, Cedar or Redwood, for three rows 10 inches wide glass, lapped, nailed together with white-leaded joints, open, **unglazed**, each, $4.45; 3 for **$13.00. Glazed**, painted one coat, 10x14 inches double strength flat drawn greenhouse glass, each, **$7.95**; 3 for **$23.45.** Crating charge on glazed sash only 1 to 5 sash, per crate, **$1.20.**

VITAPANE

A flexible glass substitute; transparent all purpose window material, withstands wind, snow and rain, allows more light, permits easy inspection. Put up in rolls 36 inches wide. Price per 50 ft. roll, **$9.25.** ½ roll, **$5.00**; per yd., **75c.**

GLAZING POINTS. Vaughan's Perfection. No rights or lefts; No. 2, small, for single thick glass; No. 2½, double thick, for greenhouses and skylights. Price per box of 1 lb., **75c**; by mail, **80c. Siebert's Improved.** Easy to drive, and will not wedge or crack glass, 2 sizes, ⅝ and ⅞ inch long. Price per lb., **70c**; by mail, **80c.**

SEED FLATS. Made from Ponderosa Pine, knocked down, bundled in bundles of 10 flats, each:

	Inside Dimensions	Per Bundle of 10
No. 2.	22⅜x15x2¾ inches	$4.50
No. 1.	20 x14x2¾ inches	3.85
No. 2-A.	22⅜x15x3¾ inches	4.80
No. 1-A.	20 x14x3¾ inches	4.50

We do not break bundles.

WINDOW FABRIC VIO-RAY. A strong fabric treated by a patented process to make it transparent, weatherproof and waterproof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It comes in rolls 36 inches wide and any length. Per yd., **48c**; 10 yd. roll, **$4.50**; 25 yds., **$11.00.**

Standard Grade Tested

Hotbed

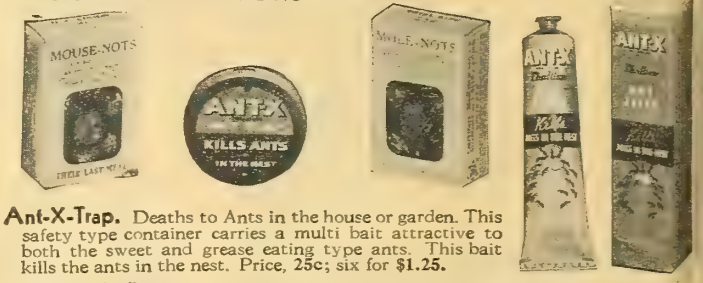
THERMOMETERS. Tin Case, Standard Grade Tested. 12-in., **$2.50.**

Hotbed. All glass, each, **$1.50**, postpaid.

Self-Registering. With magnet to set it, 8-inch, each, **$9.00**; registers highest and lowest temperature.

Thermometers shipped by parcel post at purchaser's risk only.

PEST EXTERMINATORS



Ant-X-Trap. Deaths to Ants in the house or garden. This safety type container carries a multi bait attractive to both the sweet and grease eating type ants. This bait kills the ants in the nest. Price, **25c**; six for **$1.25.**

Ant-X Jelly Bait. Kills quickly. This jelly controls sweet and grease eating ants. It will also kill ants in the nest. 1 oz., **35c**; 4-oz. tube, **$1.00**; Industrial size, 5-lb. pail, **$15.00.**

Dog-Check. The ideal repellent as a means of checking doggie habits. Safe and harmless to use. New formula will permit spraying on new growth. Unaffected by rain, one spraying lasts from two to three weeks. 3-oz. size, complete with sprayer, **60c**; 8-oz. size, with sprayer, **$1.00**; 32-oz. size, **$3.00**; gallon, **$11.50.**

Rat-Nots. Safe way to exterminate rats. Prepared Bait, containing Squill. Can be used without fear of harming humans, dogs, live stock, etc. Trial size package of 9 Nots, **25c**; Estate size, 60 Nots, **$1.00.**

Mouse-Nots. Impregnated seed bait kills mice. Trial size package, 9 Nots, **25c**; Estate size, 60 Nots, **$1.00.**

Mole-Nots. Life saver for lawns, bulb and seed beds. Trial size, 8 Nots, **35c**; Estate size, 50 Nots, **$1.00**; Jumbo size, 125 Nots, **$2.00**; Gardener size, 400 Nots, **$5.00**; Giant size, 1,000 Nots, **$10.00.**

Roach-Nots. Semi-toxic insecticide in prepared bait form. Very effective in controlling Roaches. Trial size, 9 Nots, **25c**; Estate size, 60 Nots, **$1.00.**

WEEDONE

TRADE MARK

It kills the plant under ground as well as above ground. Does not irritate skin and does not corrode metal or spray equipment. Will not leave residue on plants that is hazardous to livestock or pets. Does not sterilize the soil. Mix one part to sixty parts of water. Will kill Poison Ivy, Bindweed (Morning Glory), Ragweed, Burdock, Dandelion, Plantain, etc. Price, per quart, **$4.00**; gallon, **$12.00**; 5 gals., **$55.00.**

Vaughan's High Grade Fertilizers

● **The ceiling prices given below on this page are those in effect at the time this catalogue goes to press. Should increases in these ceiling prices be authorized by the Office of Price Administration, we reserve the right to increase our ceiling prices in accordance with such authorization. Should changes in formulas be ordered by the government authorities, then where necessary the formulas offered below will be changed in accordance with such regulations.**

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50 and 100 lb. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of $2.00 or more. On larger quantities than 100 pounds, owing to close quantity prices, the customer pays all freight or express charges.

VAUGHAN'S BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Our Bone Meal has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen, 2 percent; total phosphoric acid, 22 percent. Ceiling prices, 5 lbs., 50c; 10 lbs., 95c; 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $4.10; 500 lbs., $18.50.

Special Balanced Rose Food (ALL ORGANIC). 5-7-4. An organic, no filler, 100% Plant Food of Dried Blood, Fish Scraps, Bone Meal, Potash, Cottonseed Meal and Phosphate. This is a special mixture for growing roses and is a balanced, all purpose fertilizer which can also be used on all flowers, shrubbery, etc. This type mixture has been used by commercial growers and florists for many years and has given excellent results. Price, per 5 lb. bag, 75c; 10 lbs., $1.35; 25 lbs., $2.85; 100 lbs., $8.95.

VAUGHAN'S SHEEP MANURE

This is a pure, natural manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest liquid manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 5 lbs., 40c; 10 lbs., 75c; 25 lbs., $1.35; 50 lbs., $1.95; 100 lbs., $2.75; 500 lbs., $12.00.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. 25 lbs., $1.35; 50 lbs., $2.40; 100 lbs., $3.25; 500 lbs., $12.50; 1,000 lbs., $24.00.

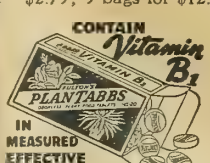
Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. of Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Ceiling prices, 7½ lb. bag, $1.00; 25 lbs., $2.50; 150 lbs., $11.50. Write for booklet.

Aluminum Sulphate. For creating acid condition in the soil. Ceiling prices, 1 lb., 15c; 5 lbs., 60c; 10 lbs., $1.00; 25 lbs., $2.00; 100 lbs., $4.75.

Ammonium Nitrate. Nitragin content 34%. Since it is almost impossible to secure Sulphate of Ammonia and Nitrate of Soda, this is a good substitute and runs much higher in Nitragin content. Ceiling prices, 5 lbs., 60c; 10 lbs., $1.00; 25 lbs., $1.60; 50 lbs., $2.75; 100 lbs., $4.25.

Bacto. Make your own fertilizer easy, quick—often in as little as three weeks. Just sprinkle Bacto on kitchen waste, leaves, garden rubbish, sewage sludge, etc. 5-pound bag makes up to a ton of rich, soil-building organic humus, better than manure. Sprinkle in outdoor toilets; reduces odors, makes easily-handled ash of waste. 5-lb. bag, $1.65; 25-lb. bag, $5.25; trial 4-oz. carton, 35c.

Driconure Improved. Fertilizer with a peat-moss base impregnated with a high grade manure. Per 50 lb. bag., $2.75; 5 bags for $12.50; 10 bags for $24.00.



Electra Fertilizer (4-9-3). A high organic all around plant food for feeding, forcing and finishing. The best substitute for Clay's fertilizer, formerly imported from England. Ceiling prices, 25 lbs., $4.25; 50 lbs., $6.50; 100 lbs., $11.00.

Fulton's Plantabbs. Odorless plant food in tablet form, supplies a completely balanced plant food including vitamin B-1. Ceiling prices, per box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, $1.00; postpaid. Large size approximately 1,000 tablets, $3.50.

Hyponex Plant Food. Can be used in dry or liquid form; teaspoonful makes 1 gallon. Contains vitamin B1. Analysis: 7 percent nitrogen; 6 percent phosphoric acid; nineteen percent potash. Ceiling prices, 3 oz. tin, 25c; 1 lb., $1.00; 10 lbs., $8.00; 25 lbs., $15.00; 50 lbs., $25.00; 100 lbs., $40.00

Kem Liquid Plant Food. For summer use. A complete balanced ration for lawns, plants and trees. A nutrient solution containing all essential elements; nitrogen, phosphate, potash, including calcium baron, sulphur, etc. Merely dilute Kem solution with hydrant water. Directions on container. Ceiling prices, house plant size, 25c; qt. size, 50c; gal. size, $1.25.

Lime, Hydrated. A neutralizer for soil acidity. Ceiling prices, 10 lbs., 35c; 50 lbs., $1.25.

Limestone, Pulverized. Is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. 100 lbs., $1.75; 500 lbs., $5.50; 1,000 lbs., $8.00; 2,000 lbs. $14.50.

Lime Phosphate, Ruhm's. Nature's source of phosphorus. The most phosphate at lowest unit cost. Ceiling prices, 100 lbs., $2.45; 500 lbs., $9.00; 1,000 lbs., $16.00; 2,000 lbs., $29.00.

Liqua Vita. A liquid plant food contains all the necessary elements. ½ oz. will make 1 gal. of solution. Ceiling prices, 12 oz., 50c; qt., $1.00; gal., $3.50.

Loma. Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrates, phosphate and potash; contains no filler. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $4.00.

Milorganite. Activated sludge fertilizer, free of weed seeds. Feeds over a long period. Ceiling prices, 25 lbs., $1.00; 50 lbs., $1.65; 100 lbs., $2.75; 500 lbs., $12.00; 1,000 lbs., $23.00.

Muriate of Potash. Should be used liberally, especially for all root crops. Ceiling prices, 25 lbs., $1.50; 50 lbs., $2.45; 100 lbs., $3.85.

Nitragin. The Original Legume Inoculation.
Culture A. For alfalfa, sweet clover, burr clover and hubam clover. Ceiling prices, 1 bu. size, 50c; 2½ bu. size, $1.00.
Culture B. For clovers, medium and mammoth red, alsike, crimson and white. Ceiling prices, 1 bu. size, 50c; 2½ bu. size, $1.00.
Culture C. For all vetches. Peas, Austrian, Canadian, golden and sweet peas, broad beans and lentils. Ceiling prices, medium size will inoculate up to 100 lbs. seed; 50c large size will inoculate up to 1200 lbs. seed; $5.70.
Culture D. For Beans. String, snap, wax, navy, kidney and scarlet runner. Ceiling price, 1 bu. size, 35c.
Culture E. For peanuts, cow peas, velvet beans and lima beans. Ceiling prices, small bu. size, 30c; 5 bu. size, 55c; 25 bu. size, $2.50; 30 bu. size, $3.25.
Culture L. For all Lespedeza, small size inoculates up to 50 lbs. Ceiling prices, 35c; large size up to 100 lbs., price, 50c.
Culture S. For Soy Beans, all varieties. Ceiling prices, small size inoculates up to 120 lbs., seeds, 30c; 5 bushel size, 55c; 25 bushel size, $2.50; 30 bushel size, $3.25.
Garden Size. For garden peas, sweet peas, beans, lima beans and lupines. Ceiling prices, pkt., 10c; three for 25c; each packet will treat up to 6 lbs. of seed.
Lupines, all varieties. Per can, 50c. Will inoculate up to 100 lbs. seed.

Peat, Orchid. Very useful for orchids and azaleas. $4.25 per sack, of about two bushels.

VAUGHAN'S PEAT MOSS
IMPORTED HORTICULTURAL GRANULATED
A moisture-retaining humus. An important aid in saving soil fertility, better than manure; prevents the formation of hard top crust and fungus growth. Home garden size bag, about 6 bushels when broken up finely, $2.60; large bale of about 20 bushels, $4.95.

Special Lawn and Ornamental Fertilizer. 6% nitrogen, 12% phosphate, 4% potash, for lawns, trees, shrubs, etc. Ceiling price per 100 lbs., $4.00.

Super Phosphate. Twenty percent available. Ceiling prices, 25 lbs., $1.15; 50 lbs., $1.75; 100 lbs., $2.75; 500 lbs., $9.75; 1,000 lbs., $18.00; 2,000 lbs., $33.00.

Stim U Plant Tablets Plus Vitamin B1. For potted plants. Well balanced plant food. Ceiling prices, per pkg. of 30 tablets, 30c, postpaid; large pkg., 100 tablets, 75c, by mail, 85c; package of 1000 tablets, $3.50.

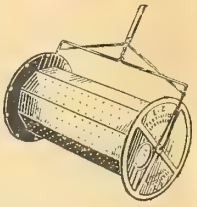
Mackwins Vitamin B-1. The only liquid vitamin B-1 plant growth stimulant with added chemicals to keep its strength indefinitely. 2-oz. dropper top bottle, enough to make 250 gallons of solution. Ceiling price, $1.00.

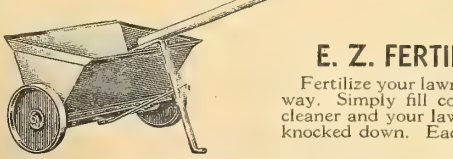
Vigoro. Complete Plant Food. Supplies in balanced form the eleven vital plant food elements for hardy, beautiful plants. Clean, odorless, sanitary, and easy to use. Vigoro has brought gardening success to millions of home owners everywhere. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $4.00.

Vigoro Victory Garden Fertilizer. For food production only, 4—12—4 analysis. Ceiling prices, 25 lbs., $1.45; 50 lbs., $2.35; 100 lbs., $3.70; 500 lbs., $17.75; 1,000 lbs., $34.50.

FERTILIZER SPREADERS

Will spread any kind of commercial fertilizer, grass seed or top dressing. Has new disc wheels, foot rest and selective feed control. 16 inch, hopper capacity about 20 lbs., price each, $4.75; 20 inch, hopper capacity about 40 lbs., each, $8.45; 30 inch, hopper capacity about 80 lbs., each, $14.95, Super Heavy 36 inch, hopper capacity over 100 lbs., each, $27.50.





E. Z. FERTILIZER SPREADER

Fertilize your lawn, sow your seed the new E. Z. way. Simply fill container, guide like a vacuum cleaner and your lawn is covered quickly. Comes knocked down. Each, $1.25.

NOTE: Cannot supply Scotch Soot and Clay's Fertilizer during present emergency. Electra is a good substitute for Clay's.

Vaughan's Fancy Grasses and Field Seeds

For Lawn Seed Mixtures, See Page 2. All Prices Prepaid, Except where Specifically Noted.
All Grasses and Field Seed Prices Are Subject to Change Without Notice.

Fancy Kentucky Blue Grass

POA PRATENSIS

Extra Heavy Sun-Cured Seed. Specially recleaned. Price, ½ lb., 40c; 1 lb., 65c; 2 lbs., $1.30; 3 lbs., $1.90; 5 lbs., $3.10; 10 lbs., $6.00; 15 lbs., $8.90; 20 lbs., $11.70; 25 lbs., $14.50; 50 lbs., $27.00.

Fancy Seed, actual weight, 21 lbs. per bu. (Standard grade of recleaned blue grass.) Price, ½ lb., 35c; 1 lb., 55c; 2 lbs., $1.10; 3 lbs., $1.60; 5 lbs., $2.60; 10 lbs., $5.00; 15 lbs., $7.40; 20 lbs., $9.70; 25 lbs., $12.10; 50 lbs., $24.00.

CANADA BLUE GRASS (Poa compressa)

Valuable on poor soils and clay. It does not make so dense a growth as the Kentucky Blue Grass, and color is not so pleasing. Used particularly for pastures. Sow 40 to 60 lbs. per acre for pasture; in Fall or Spring. Price, 1 lb., 65c; 2 lbs., $1.30; 3 lbs., $1.90; 5 lbs., $3.10; 10 lbs., $6.00; 15 lbs., $8.90; 20 lbs., $11.70; 25 lbs., $14.00; 50 lbs., $26.00.

WHITE CLOVER

Extra Fancy Seed. Price, ¼ lb., 40c; ½ lb., 75c; 1 lb., $1.40; 2 lbs., $2.80; 3 lbs., $4.15; 5 lbs., $6.75; 10 lbs., $13.25; 15 lbs., $19.50; 20 lbs., $25.40; 25 lbs., $30.75.

Choice. Price, ¼ lb., 35c; ½ lb., 70c; 1 lb., $1.30; 2 lbs., $2.60; 3 lbs., $3.85; 5 lbs., $6.25; 10 lbs., $12.25; 15 lbs., $18.00; 20 lbs., $23.40; 25 lbs., $28.25.

RED TOP GRASS (Agrostis alba)

Extra Fancy, recleaned solid seed. Price, ½ lb., 30c; 1 lb., 45c; 2 lbs., 90c; 3 lbs., $1.30; 5 lbs., $2.10; 10 lbs., $4.00; 15 lbs., $5.60; 20 lbs., $7.25; 25 lbs., $8.50; 50 lbs., $16.00.

Rye Grasses

Use all rye grasses at the rate of 30 to 40 lbs. per acre for pastures and 5 to 7 lbs. per 1000 sq. ft. for lawns. Sow either fall or spring.

English or Perennial Rye Grass (Lolium perenne). A lawn grass where quick results are wanted. Price, 1 lb., 45c; 2 lbs., 90c; 3 lbs., $1.30; 5 lbs., $2.10; 10 lbs., $4.00; 15 lbs., $5.90; 20 lbs., $7.70; 25 lbs., $9.50; 50 lbs., $18.25; 100 lbs., $35.00.

Common Rye Grass. The Italian type of rye grass, grown in this country. An annual, generally lasting a second year. Develops rapidly. Used in the south for Winter lawn grass. Sow in October in the south, preferably Spring in the north. Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., $1.35; 10 lbs., $2.50; 15 lbs., $3.65; 25 lbs., $5.75; 50 lbs., $10.00.

Fescues

★**CHEWING'S FESCUE (NEW ZEALAND GROWN).** This grass is valuable on sandy soils and in shade. Chewing's Fescue is a perennial with a fine blade and a spreading root system. Sow either Spring or Fall (last week in August or the first week in September) at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., $1.25; 2 lbs., $2.50; 3 lbs., $3.75; 5 lbs., $6.05; 10 lbs., $11.90; 15 lbs., $17.50, 20 lbs., $23 00; 25 lbs., $28.25; 50 lbs., $55.00.

★**CREEPING RED FESCUE.** One of the best fescues obtainable, it spreads from the roots, making a dense turf which tends to crowd out weeds. Does well in shade and is good on sandy soil. Price, 1 lb., $1.35; 2 lbs., $2.70; 3 lbs., $4.00; 5 lbs., $6.50; 10 lbs., $12.75; 15 lbs., $18.75; 20 lbs., $24.50; 25 lbs., $30.00; 50 lbs., $58.00.

BIRD SEED

Rape. Large—sweet (not bitter like the small black). 1 lb., 35c; 5 lbs., $1.70; 10 lbs., $3.30; 25 lbs., $7.50.
Sunflower. 1 lb., 35c; 5 lbs., $1.70; 10 lbs., $3.30; 25 lbs., $7.50.
Canary Seed. 1 lb., 35c; 5 lbs., $1.70; 10 lbs., $3.30.
Vaughan's Canary Mixture. 1 lb., 35c; 5 lbs., $1.70; 10 lbs., $3.30.
Finch Seed. 1 lb., 25c; 5 lbs., $1.15; 10 lbs., $2.25.
Parrakeet Seed. 1 lb., 35c; 5 lbs., $1.70; 10 lbs., $3.30; 25 lbs., $7.50.
Vaughan's Wild Bird feeding Mixture (as recommended by the Illinois Audubon Society). 1 lb., 15c; 2 lbs., 25c; 5 lbs., 60c; 10 lbs., $1.15; 25 lbs., $2.75; 100 lbs., $10.00.

Prices do not include Postage. See table at the back of book for rates.

Let us help you solve your lawn and golf grass problems. Advice gladly given on handling fertilizer problems, and combating insect and disease attacks.

CERTIFIED VICLAND OATS

This strain, developed by the Wisconsin Agricultural Experiment Station, has created a sensation among farmers. It is highly resistant to smuts and early rusts, early maturing, produces strong straw and is slow to sprout in the shock. The grain is heavier than the average and yield superior.

We offer Wisconsin certified seed, produced directly from foundation stocks supplied by the Wisconsin College of Agriculture, grown under careful field supervision and laboratory tests to insure a high degree of purity and germination.

1 bu., $2.15; 10 bu., $2.00 each, freight collect. Bags included.

Uncertified Seed. 1 bu., $1.90; 10 bu., $1.75, freight collect. Bags included.

CLOVERS AND ALFALFA
(Northern Grown)

Medium Red. (Purity 99.00 or better). Sow at the rate of 8-10 lbs. per acre. Price, 1 lb., 60c; 5 lbs., $2.75—Postpaid. By Freight collect, 1 pk., $7.00; ½ bu., $13.90; 1 bu., $26.70; 100 lbs., $44.50. Bags included.

Alsike Clover. (Fancy). Sow at the rate of 5 to 6 lbs. per acre. Price, 1 lb., 60c; 5 lbs., $2.75—Postpaid. By Freight collect, 1 pk., $6.50; ½ bu., $12.75; 1 bu., $24.60; 100 lbs., $41.00. Bags included.

Alfalfa Seed. (Northern). 1 lb., 70c; 5 lbs., $3.25—Postpaid. By Freight collect, 1 pk., $8.05; ½ bu., $16.10; 1 bu., $31.20; 100 lbs., $52.00. Bags included.

Write for Complete Price List of Field Seeds or let us know your requirements and we will be glad to quote special quantity prices. Purity and Germ. tests made in our own laboratories.

Miscellaneous

Awnless Brome Grass (Bromus inermis). Very strong, quick growth, making two crops of very abundant pasture. Has proven very valuable for pasture when sown with alfalfa. Good in very sandy soils because of its strong spreading root system Not a lawn grass. Sow in the Spring, 2 bushels per acre (14 lbs. per bushel). 1 lb., 40c; 3 lbs., $1.15; 5 lbs., $1.65. Postpaid. By Freight collect, 10 lbs., $3.00; 25 lbs., $6.25; 50 lbs., $11.75; 100 lbs., $22.00.

Timothy (Phleum pratense). Most popular of all hay grasses. Vaughan's Fancy seed (99.5% pure or better). Price, 1 lb., 30c; 2 lbs., 55c; 3 lbs., 75c; 5 lbs., $1.10—Postpaid. By Freight collect, ½ bu., $3.10; 1 bu., $6.10 (45 lbs.); 100 lbs., $13.50. Grain bags included.

Reed Canary Grass. A fine perennial for hay or pasture on low marshy land. Use 5 to 8 lbs. per acre broadcast, and 3 to 5 lbs. with drill. Sow early in Spring or August, September. Lb., 60c; 3 lbs., $1.75; 5 lbs., $2.75—Postpaid. By Freight collect, 10 lbs., $5.00; 25 lbs., $11.50; 50 lbs., $22.00; 100 lbs., $43.00.

Sudan Grass. Sow 35 lbs. per acre. Makes an excellent emergency hay crop. Can be sown any time from May 20th, to June 20th. It withstands long periods of drought. Lb., 35c; 5 lbs., $1.50—Postpaid. By Freight collect, 10 lbs., $2.00; 25 lbs., $4.50; 50 lbs., $8.00; 100 lbs., $14.00; sacks included.

Dwarf Essex Rape. Makes a quick pasture and is very valuable feed. Ideal for sheep, hogs and cattle. Sow in early spring. 5 to 10 lbs., per acre, or with spring grain, 2 lbs. per acre. 1 lb., 35c; 5 lbs., $1.70—Postpaid. By Freight, collect, 10 lbs., $3.30; 100 lbs., $23.00.

Winter Vetch. A very valuable leguminous plant, especially for lighter soils. Can be sown spring or fall. Sow 15 to 20 lbs. of Vetch and ½ bushel grain, per acre. Makes splendid hay. Lb., 35c; 3 lbs., $1.00; 5 lbs., $1.40—Postpaid. By Freight, collect, 10 lbs., $2.50; 25 lbs., $5.85; 100 lbs., $20.00.

HYBRID FIELD CORN

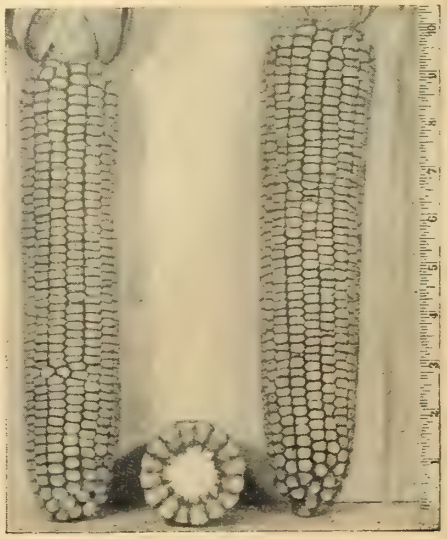
We offer State Certified Hybrids—

For many years breeders at the University of Wisconsin have been constantly at work developing and improving hybrids adapted to Northern Illinois, Wisconsin, Michigan, Iowa and Indiana.

Through arrangements with the University we are able to offer these proven hybrids at the following prices:

Flat kernels (Edge Drop). Peck, $2.75; ½ bu., $4.75 Bu., $8.50.

Above Prices Freight Paid.



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Explanation of Table Below: Numbers prefixed with **B**, Bulbs; **P**, Plants; **R**, Roots; **S**, Seeds.

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Presenting for Our Sixty-ninth Year

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CARL CROPP, V. PRES.

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CAROTIDA, NEW YORK

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How to Order: Please follow these instructions, and fill out order sheets carefully. Give correct address, with Delivery Zone, if you are in a large city.

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Plant and Tree Orders: State quantity, size or age of each variety, with prices attached.

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Remittance: Please remit by money order or certified check. **Do not send currency unless registered.**

Mistakes: If there is any error in filling your order, write us at once with correct copy of order, for quick investigation.

Express Shipments: General orders for garden seeds with heavy weights of corn, beans, fertilizers, etc., should go by express, also all shipments containing breakables. Orders over 5 lbs. going to 5th Zone travel cheaper by express than parcel post.

All Trees, Shrubs, Bulbs and Hardy Plants are shipped as soon as weather permits. Tender plants from Greenhouses for bedding, etc., are shipped usually after May 15th. (Southern shipments any time after February.) State plainly date and manner of shipping you wish.

Parcel Post: **Fourth Class Mail Matter,** which includes seeds, plants, bulbs, roots, books, tools, insecticides, odorless fertilizers and requisites, may be forwarded by **domestic parcel post** within the United States.

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.	First pound or fraction	Each additional pound or fraction
Local—Chicago or New York City	8c	1c (2 lbs.)
First and Second Zone within 150 miles of either	9c	1.1c
Third Zone within 150 to 300 miles	10c	2c
Fourth Zone within 300 to 600 miles	11c	3.5c
Fifth Zone within 600 to 1000 miles	12c	5.3c
Sixth Zone within 1000 to 1400 miles	13c	7c
Seventh Zone within 1400 to 1800 miles	15c	9c
Eighth Zone all over 1800 miles	16c	11c
Canada	14c	14c

This includes tax on first 33c. For larger amounts add 3% which is the equivalent of 1c for each 33c of postage.

NOTE. A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent. Limit of weight for delivery to all zones 70 pounds; to Canada 15 lbs. If weight exceeds this, we will pack in 2 or 3 parcels (not more), provided money is remitted to cover postage. Mark your Zone Number on order.

DELIVERY

All flower seeds prepaid.

All vegetable seeds up to 2 lbs. prepaid. Over 2 lbs., by express or freight at buyer's expense.

All bulbs and Dahlias, bought at single and dozen prices, are prepaid to fifth zone from Chicago or New York. Larger quantities by express at buyer's expense. Exceptions to this rule are specifically noted in the offers.

All Water Lilies by mail or express at buyer's expense, except where otherwise specifically stated.

All Roses, Trees, Shrubs, Perennial and Annual Plants are shipped from Western Springs at buyer's expense.

All tools and supplies, including insecticides and fertilizers (except as specified on Page 101), are F. O. B. Chicago or New York and shipped at buyer's expense.

All lawn seed is prepaid to any part of the U. S. A.

Purchases for $2.00 or more made at our loop store, 10 W. Randolph St., delivered free within a 25 mile radius except fertilizers and peat moss weighing more than 100 pounds which are shipped at buyer's expense. This offer is subject to change without notice, owing to war restrictions.

☛ These special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

Our Responsibility: It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially for seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

We wish it understood that all our stocks are sold under the following conditions:

VAUGHAN'S SEED STORE gives no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of the seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are prepaid everywhere in the United States FREE. BUT seeds ordered at peck, bushel or five-pound rates, or bought in even larger quantities at cheaper prices, should go by freight, when possible, at buyer's expense.

To liberal orders from distant points WE ADD FREE, SPECIAL NEW VARIETIES of value to partly cover postage or express charges.

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Six Outstanding Chrysanthemums, $2.50

Catalogue Value $3.35, by Express Collect, or if wanted by Parcel Post, add 20c.

One each of six early varieties, as illustrated: Lady Lavender, September Bronze, The Moor, Avalanche, Pale Moon and Red Velvet. Catalogue value, $3.35; for $2.50. (Postage and packing, add 20c).

Lady Lavender, 3 for **$1.25**; each, **50c.**

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The Moor, 3 for **$1.25**; each, **50c.**

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Eight Varieties - - $3.50

Illustrated for . . . . .

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Dean Kay. New hardy strain from Iowa. Extremely prolific and free blooming. Single plants run 4 feet in diameter with hundreds of 2-inch semi-double bright pink flowers. 50c ea.; 3 for $1.25.

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Joan Helen. Large semi-double purple surrounding a yellow disc flower. A prolific bloomer of the dwarf variety. 75c ea.; 3 for $2.00.

Mrs. Sam P. Rotan. Big fluffy double yellow shaded to deep orange. Blooms Oct. 15. 50c ea.; 3 for $1.25.

Rembrandt. New Pompon. Between a strawberry and rosy red. 18 to 24 inches. Blooms Oct. 1st on. 60c ea.; 3 for $1.50.

Ruby Pompon. Color is a ruby crimson, startlingly more rich and glowing than other Pompons. In full flower early October. 60c ea.; 3 for $1.50.

September Dawn. Distinctly different, the first really good double pink; starts to bloom in September and continues until frost. 60c ea.; 3 for $1.50.

September Gold. Brilliant golden-yellow blossoms by mid-September, continuing until the season's end. 50c ea.; 3 for $1.25.

The Chief An extremely attractive semi-double variety of large size. Bright scarlet and gold. 50c ea.; 3 for $1.25.

COLLECTION 106: ONE EACH Mrs. Sam P. Rotan, Rembrandt, The Chief, Ruby Pompon (Postage and packing, 16c)..... $1.50

NEW CUSHION VARIETIES

Bronze Cushion. Deep bronze flowers turning to bronzy yellow.

Champion Cushion. A true leader. Reddish bronze, double daisy-like flowers.

Commander Cushion. Red double daisy-like with a bright yellow center.

De Luxe Red Cushion. Double flowers of a really bright shade of red.

Harvest Gold. A fine, new, golden-yellow Cushion. Flowers from late August to frost.

Major Cushion. Bright salmon-pink flowers, full petaled, firm and solid, very abundantly carried.

Marjorie Mills. A fine red Cushion. Captivating by virtue of its varying tints and colors, deep crimson shaded chestnut.

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CUSHION OR AZALEA-LIKE

Amelia Known as Azalea-like mum. Very dwarf and early. Forms large mound covered with many medium size double light pink blooms.

King Cushion. Habit of growth same as Amelia. Very dwarf and early with light bronze flowers.

Santa Claus. Striking introduction with big bushy growth covered by brilliant red flowers from September on. Height is medium and blooms average 2-inch diameter.

Yellow Cushion. A yellow form of the cushion type which is a perfect match for the other colors.

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COLLECTION 106B: ONE EACH OF ABOVE (Postage and packing, 16c)..... $1.85

BUTTON OR POMPON TYPE

Jewell. Stout full button. Dark orchid pink. A great favorite.

Pygmy Gold. Dwarf growth, covered with round golden pompons. 1 in. diameter. Blooms in Sept.

September Bronze. Early medium bronze pompon. One of the best.

White Gull. Entire plant covered with soft balls of pure white.

Any of above, 50c each; any 3 for $1.25.

COLLECTION 106C: ONE EACH OF THE ABOVE (Postage and packing, 16c)..... $1.60

Add postage for all plant orders. F. O. B. Cleveland, O.

See Page 48 for Rates.

Pale Moon, 3 for **$1.25**; each, **50c.**

Red Velvet, 3 for **$1.50**; each, **60c.**

Avalanche, 3 for **$2.00**; each, **75c.**

Dahlia Flower, 3 for **$1.50**; each, **60c.**

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6
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1. Coral King
2. Daintiness
3. Dazzler
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